Bobcaygeon Community Expansion Project: Environmental Report



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Sign-off Sheet

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Land Acknowledgement

We respectfully and thoughtfully acknowledge that the Bobcaygeon Community Expansion Project resides on Michi Saagiig (commonly referred to as the Mississauga First Nations), Treaty 20 territory. Since time immemorial, these lands and waters were, and are today, the traditional territory of the Michi Saagiig and Chippewa Nations, collectively known as the Williams Treaties First Nations. This includes Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Beausoleil First Nation, Chippewas of Georgina Island First Nation, Chippewas of Scugog Island First Nation, and Chippewas of Rama First Nation. Additionally, we would gratefully recognize that the Project area is also on the ancestral lands of the Huron Wendat Nation.



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Executive Summary

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). The Study Area around the preliminary preferred route and alternative route included a radius of 1000 meters (m) and is depicted in Appendix A, Figure A-1.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channels. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Road, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The project was originally initiated in 2006 and encompassed a Study Area that covered the area of the Project's Supply Lateral PPR and alternative route. A Stage 1 Archaeological Assessment (AA) was completed in 2006. In 2017, the Project was revived and Stantec confirmed with the Ministry of Heritage, Sport Tourism and Culture Industries (formerly the Ministry of Tourism, Culture and Sport) that the 2006 report would be grandfathered for that Project. In 2017 Stantec was retained by Enbridge to undertake an environmental study in accordance with the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and facilities in Ontario, 7th Edition (2016) (the Guidelines (2016)), including a consultation program with an Open House component. However, the Project was never completed and was terminated in 2017.*

In 2021, Enbridge again retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the natural gas pipeline which meets the intent of the *Guidelines* (2016). The Environmental Report (ER), which summarizes the environmental study, will accompany a future Enbridge 'Leave to Construct' (LTC) application to the Ontario Energy Board for the Project.

Enbridge is also required to obtain additional permits and approvals from federal, provincial and municipal agencies that have jurisdiction within the Study Area. This ER will serve to support these permit and approval applications.



The route evaluation process was undertaken as per the *Guidelines (2016)*, which identifies the environmental and socio-economic features to take into consideration and the principles to be considered during the route evaluation. The Supply Lateral and Reinforcement each had a PPR and AR considered during the environmental study. Following the comparative evaluation and based on feedback received during the consultation program, the preliminary preferred routes were confirmed as the preferred route. These preferred routes were identified to be environmentally and socio-economically acceptable in construction and operation, to transport natural gas between the start and end points (outlined in Appendix A, Figure A-2). The location of the preferred routes are shown in Appendix A, Figure A-3.

An extensive consultation program was conducted for the Project with Indigenous communities, and federal and provincial agencies, conservation authorities, municipal personnel and elected officials, special interest groups, and residents and businesses within 1 kilometer (km) of the Study Area were engaged. The consultation program included development and maintenance of a stakeholder contact list which was used to distribute the required notices, newspaper advertisements, a Virtual Information Session, and provision of feedback to those members of the public who had questions, issues, or concerns or positive feedback about the Project. Enbridge is committed to ongoing consultation with interested and potentially affected parties through detailed design and construction and will respond to stakeholder concerns throughout the life of the Project.

The potential effects and impacts of the Project on physical, biophysical and socio-economic features have been assessed for the Project. In the opinion of Stantec, the recommended program of supplemental studies, mitigation, protective and contingency measures are considered appropriate to protect the features encountered. Monitoring will assess that mitigation and protective measures have been effective in both the short and long term.

The potential cumulative effects of the Project were assessed by considering development that may begin during construction or that may begin sometime in the future. The Study Area boundary was used to assess potential effects of the Project and other developments on environmental and socio-economic features. As such, the cumulative effects assessment determined that, provided that ongoing consultation, appropriate mitigation and protective measures are implemented, potential cumulative effects will be of low probability and magnitude, short duration, and reversible or positive and are therefore not anticipated to be significant.

With the implementation of the recommendations in the Environmental Report, ongoing communication and consultation, and adherence to permit, regulatory and legislative requirements, potential adverse residual environmental and socio-economic impacts of this Project are not anticipated to be significant.



Acronyms & Abbreviations

AA archaeological assessment

AMO Atlas of the Mammals of Ontario

AMIS Abandoned Mines Information System

BFN Beausoleil First Nation

BGS Below Ground Surface

CEA Cumulative Effects Assessment

CEAA Canadian Environmental Assessment Act

CHECPIA Cultural Heritage Report: Existing Conditions and Preliminary Impact

Assessment

COGIFN Chippewas of Georgina Island First Nation

CKL City of Kawartha Lakes

Class EA Class Environmental Assessment

CLFN Curve Lake First Nation

CLI Canada Land Inventory

cm centimetre

COSEWIC Committee on the Status of Endangered Wildlife in Canada

COSSARO Committee on the Status of Species at Risk in Ontario

DFO Fisheries and Oceans Canada

DRFP Directory of Federal Real Property

EASR Ontario Environmental Activity and Sector Registry

ELC Ecological Land Classification

Enbridge Gas Distribution Inc.

END Endangered

EPP Environmental Protection Plan

ER Environmental Report



ESA Environmentally Sensitive Areas

ESA 2007 Endangered Species Act, 2007

ha hectares

HDD Horizontal Directional Drilling

HFN Hiawatha First Nation

HP High Pressure

Hydro One Networks Inc.

IO Infrastructure Ontario

IPZ Intake Protection Zone

KCA Kawartha Conservation Authority

KLSC Kawartha Lakes Snowmobile Club

km kilometer

L

LIO Land Information Ontario

LTC Leave to Construct

m metre

MBCA Migratory Bird Convention Act, 1994

MEDEI Ministry of Economic Development, Employment and Infrastructure

MHSTCI Ministry of Heritage, Sport, Tourism, and Culture Industries

MECP Ministry of Environment, Conservation and Parks

MNDMNRF Ministry of Northern Development, Mines, Natural Resources and Forestry

MOE Ministry of Energy

MPP Member of Provincial Parliament

MSIFN Mississauga's of Scugog Island First Nation

MTO Ontario Ministry of Transportation

NHIC Natural Heritage Information Centre

NPA Navigation Protection Act



NPS Nominal Pipe Size

OBBA Ontario Breeding Bird Atlas

OEB Ontario Energy Board

OEB Environmental Guidelines

(2016)

Ontario Energy Board's Environmental Guidelines for the Location,

Construction and Operation of Hydrocarbon Pipelines and Facilities in

Ontario, 7th Edition (2016)

OFSC Ontario Federation of Snowmobile Clubs

OHA Ontario Heritage Act

OMAFRA Ontario Ministry of Agriculture, Food and Rural Affairs

OPCC Ontario Pipeline Coordinating Committee

ORAA Ontario Reptile and Amphibian Atlas

ORCA Otonabee Region Conservation Authority

Order Minor Works Order

ORM Oak Ridges Moraine

ORMCP Oak Ridges Moraine Conservation Plan

OWES Ontario Wetland Evaluation System

PC Parks Canada

PSW Provincially Significant Wetland

PTTW Permit to Take Water

RAO Reptiles and Amphibians of Ontario

RoW Right-of-Way

SAR Species at Risk

SARA Species at Risk Act

SC Special Concern

SCN Soybean Cyst Nematode

SMYS specified minimum yield strength

SOCC species of conservation concern

SPPB Source Protection Programs Branch



Stantec Stantec Consulting Ltd.

TC Transport Canada

TSW Trent-Severn Waterway

TWS Temporary work space

WHPA Well Head Protection Area

WWR Water Well Records

XHP Extra High Pressure



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1.0 INTRODUCTION

1.1 PROJECT DESCRIPTION

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS) outside of the municipal RoW. The Study Area around the preliminary preferred route and alternative route included a radius of 1000 m and is depicted in Appendix A, Figure A-1. The preliminary preferred route and potential alternative route are described below.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channels. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. Both route options have the reinforcement portion in common. The reinforcement portion starts near the intersection of Marina Street and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it ends. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Road, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The components discussed in the report here forward will be noted as: Supply Lateral (segments BCA1, BCA2, BCA3 and BCB1), the Eastern Reinforcement (segment BCC1) and the Western Reinforcement (segments BCE1 and BCD1). These segments are shown on Figure A-2, Appendix A. Collectively the Supply Lateral, Eastern Reinforcement and Western Reinforcement are discussed as the "Study Area".

Enbridge retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the proposed natural gas pipelines. The environmental study included a route evaluation and selection process that was designed to identify the preferred routes with the least potential environmental and socio-economic impact.

1.2 ENVIRONMENTAL STUDY

1.2.1 Objectives

A multidisciplinary team of environmental planners and scientists from Stantec conducted the environmental study. Enbridge provided environmental support and engineering expertise throughout the study, as required.



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The environmental study was undertaken in accordance with the Ontario Energy Board's (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario - 7th Edition (OEB 2016). The study was also undertaken to meet the requirements of relevant federal and provincial environmental guidelines and regulations.

The principal objective of the environmental study was to outline various environmental mitigation and protection measures for the construction and operation of the Project while meeting the intent of the OEB Guidelines.

To meet these objectives, the environmental study was prepared to:

- Complete a detailed review of environmental and socio-economic features along the PPR and alternative routes for the Supply Lateral, Eastern Reinforcement and Western Reinforcement components (the "Study Area").
- Develop and implement a consultation and engagement program to receive input from interested and potentially affected parties.
- Undertake a route evaluation process.
- Identify a preferred route that minimizes potential environmental and socio-economic impacts.
- Establish mitigation and protective measures that may be used to minimize or eliminate potential environmental and socio-economic impacts of the Project.
- Identify supplemental studies, monitoring and contingency plans.

1.2.2 Process

The environmental study was divided into the following three main phases:

- Phase I: Inventory mapping and mapping of existing conditions within the Study Area.
- Phase II: The route evaluation and selection process.
- Phase III: Confirmation of the route, development of mitigation and protective measures and preparation of this environmental report (ER).

The maps produced during the route evaluation and selection process are located in Appendix A and the maps of existing conditions are located in Appendix C.

The following is a description of the steps involved in the various Project phases and also provides background on the extensive consultation and engagement program and engineering design carried out by Enbridge to arrive at the pipeline Study Area that is the subject of this ER.



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Phase I: Inventory and Mapping of Existing Conditions within the Study Area

The environmental study began with delineating the Study Area for the Project and notifying Indigenous communities and relevant federal and provincial agencies and authorities, municipal personnel, and special interest groups. Environmental features and conditions in the Study Area were mapped and characterized using relevant published literature, maps and digital data. Geographically based environmental features were incorporated onto a series of digital base maps. Discussions with relevant agencies and municipalities provided information essential for compiling the existing conditions inventory and mapping.

Route options for the Supply Lateral were previously generated as part of the 2017 Environmental Study. To assist in the generation of route options, Enbridge and Stantec conducted multiple site visits, interpreted aerial photography, and mapped existing environmental and socio-economic constraints and opportunities. For the supply lateral, the preliminary preferred routing was selected to maximize customer capture along the route. Route options for the Reinforcement segments were developed by Enbridge. Route options for both the Supply Lateral and Reinforcement segments were limited and based on existing infrastructure and the need to supply a brand new community with affordable natural gas.

Phase II: Route Evaluation and Selection Process

A Notice of Commencement and Virtual Open House (NoCVOH) was published in two local newspapers on September 2 and 9, 2021 and was distributed to the Project contact list and mailed through Canada Post's unaddressed admail (14,905) on September 7, 2021 (Section 2.3.1). Social media ads for the NoCVOH were also advertised through Enbridge's Twitter, Instagram and Facebook accounts. The NoCVOH described the proposed Project and the preliminary preferred and alternative routes for the Supply Lateral and Reinforcement segments. A Virtual Open House was available from September 13 – 27, 2021 to provide interested and potentially affected parties and interested stakeholders with an opportunity to review the proposed Project and provide comments via a Questionnaire (Section 2.3.5).

Feedback received from stakeholders following the newspaper publications and the Virtual Open House did not identify potential issues or concerns that required changes to the preliminary preferred routes or the alternative routes after the conclusion of consultation program. Feedback received through the consultation process was acknowledged, reviewed and incorporated into the ER and route evaluation and supported the overall confirmation of the preferred routes.

The preferred route was identified through a quantitative and qualitative comparative evaluation of the route options, as described in Section 4.4.

Phase III: Confirmation of the Route; Environmental Report

Based on feedback received during the consultation program (Section 3) and the evaluation of the alternatives, the preliminary preferred route was confirmed as the preferred route and Phase III concluded with the preparation of this ER as well as Environmental Alignment Sheets to identify where site-specific mitigation and protective measures are recommended along the preferred route (see Appendix G).



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1.2.3 The Environmental Report

The environmental study has relied on technically sound and consistently applied procedures that are replicable and transparent. The ER, which documents the environmental study, will form the foundation for future environmental management activities related to the Project.

The ER is organized into the following sections:

- 1. Introduction: provides a description of the Project and the environmental study.
- 2. Consultation Program: describes the consultation program.
- 3. **Existing Conditions**: describes the physical, biophysical and socio-economic features within the Study Area.
- 4. **Route Evaluation and Selection**: provides an overview of the route evaluation and selection process and confirmation of the preferred route.
- Impact Identification, Assessment and Mitigation: predicts the potential effects and impacts of the project on the exiting conditions, recommends supplemental studies, mitigation and protective measures, and considers net impacts.
- 6. **Cumulative Effects**: provides an analysis of potential cumulative effects associated with the proposed Project.
- 7. **Monitoring and Contingency Plans**: describes monitoring and contingency plans to address potential environmental impacts of the proposed Project.
- 8. **Conclusion:** provides a discussion and consideration of the potential environmental impacts associated with the proposed Project.

The ER also includes references and appendices for documentation.

1.2.4 The OEB Regulatory Process

Once complete, the ER will be circulated to the Ontario Pipeline Coordinating Committee (OPCC) for their review and comment. The OPCC is an inter-ministerial committee that includes provincial government ministries, boards, and authorities with potential interest in the construction and operation of hydrocarbon transmission and storage facilities.

The ER will accompany a future Enbridge 'Leave-to-Construct' (LTC) application to the OEB for the proposed Project. While the ER illustrates the general location of the preferred route, detailed design will be undertaken by Enbridge to determine the exact location of the running line. Detailed design will also be influenced by supplemental studies and site-specific requests from landowners and agencies. Information on engineering and other matters will be included in the application to the OEB, along with additional required information.



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Upon receiving the application, the OEB will hold a public hearing. Communication about the hearing will include notices in local newspapers and letters to directly affected landowners, both of which will outline how the general public and landowners can get involved with the hearing process. If after the public hearing the OEB finds the Project is in the public interest it will approve construction of the Project. The OEB normally attaches conditions to a Project it approves. Enbridge must comply with these conditions of approval at all stages of the Project.

1.2.5 Additional Regulatory Processes

Enbridge will also be required to obtain additional permits and approvals from federal and provincial agencies, and municipalities, and these are outlined in Table 1.1. This ER will serve to support these permit and approval applications.



Table 1.1: Summary of Potential Environmental Permit and Approval Requirements

Permit/Approval	Administering Agency	Description		
FEDERAL PERMITS and APPROVALS	EDERAL PERMITS and APPROVALS			
Clearing of vegetation in accordance with the <i>Migratory Bird Convention Act, 1994</i> (MBCA)	Environment and Climate Change Canada (ECCC)	Environment and Climate Change Canada does not require a permit to be issued for vegetation clearing, however, precautions need to be taken so that no breeding birds or their nests are harmed or destroyed during the bird nesting season as a result of construction of the Project.		
		Nest sweeps will be required at a maximum of 7 days prior to vegetation removal during the bird nesting season, (e.g., April 1 to August 31), as per the MBCA.		
Species at Risk Act (SARA)	Parks Canada (PC)	Permits are required by those persons conducting activities that may affect species listed on Schedule 1 SARA as extirpated, endangered, or threatened and which contravene the Act's general or critical habitat prohibitions. To apply for a permit for an activity affecting a Schedule 1 species in any national park, Parks Canada administers the permit. Project work is anticipated to occur on or near Parks Canada land.		
Review and authorization under the Fisheries Act, 1985	Fisheries and Oceans Canada (DFO)	At detailed design, the final crossing methods will include a review of DFO's "Measures to Protect Fish and Fish habitat" to determine applicable mitigation and protective measures that are implementable for crossing approaches and activities at specific crossing locations. For crossings and activities not covered by these measures, the DFO-Enbridge agreements on standard sediment control plans for crossing alternatives will be reviewed for applicability and practice. For any remaining crossings and activities not specifically covered by the above measures, DFO review may be required.		
		The proposed method for pipeline water crossings (i.e., horizontal directional drilling) will likely not require authorization provided measures to avoid causing a HADD of fish habitat are followed during construction. These measures include completing the work during the appropriate timing window (Ministry of Northern Development, Mines, Natural Resources and Forestry [MNDMNRF] formerly the Ministry of Natural Resources and Forestry [MNRF] designated construction windows note that In-water work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings), installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas and development of a contingency plan). If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat and can proceed without DFO review.		



Table 1.1: Summary of Potential Environmental Permit and Approval Requirements

Permit/Approval	Administering Agency	Description
Review and Authorization under the Navigation Protection Act, 1985 (NPA)	Transport Canada (TC)	The Bobcaygeon River, as part of the Trent-Severn Waterway (TSW), falls under the <i>NPA</i> . Works taking place on a scheduled waterway may fall under the <i>Minor Works Order</i> (Order). The Order exempts certain minor works from the application and formal authorization process under the NPA.
		A self-assessment was completed in September 2021, and it was determined that the proposed Project works will likely meet the requirements of the Minor Works Order. Under the Minor Works Order, a notification of a minor work is submitted and a public notice created to inform nearby communities and Indigenous governing bodies of the Project.
In-water and Shoreline Works Permit under the Historic Canals Regulations, 2009 and a	Parks Canada (PC)	An In-Water and Shoreline Works Permit will be required from PC for the crossing of the TSW (Bobcaygeon River).
Licence of Occupation under National Parks of Canada Lease and Licence of Occupation Regulations (SOR/92-25)		In addition to the completion of the Shoreline Works Permit, Parks Canada requires the proponent complete a Basic Impact Analysis to meet Parks Canada's legal obligation under Canadian Environmental Assessment Act (CEAA) 2012.
		A TSW License of Occupation from PC will be necessary for those portions of the pipeline installed above, on or under the TSW.
PROVINCIAL PERMITS AND APPROVALS	•	
Approval under the <i>Ministry of Infrastructure</i> Public Work Class Environmental Assessment (Class EA)	Infrastructure Ontario (IO)	Required to obtain an easement on IO owned and/or managed lands. This will be determined during detailed design.
Development Permits under Ontario Regulation 182/06 for Kawartha Conservation Authority (KCA) (Regulation of Development, Interference with Wetlands and Alterations to Shorelines and Watercourses), as per the Conservation Authorities Act, 1990	KCA	Required for works within KCA Regulated Areas.
Development Permits under <i>Ontario</i> Regulation 167/06 for Otonabee Region Conservation Authority (ORCA) (Regulation of Development, Interference with Wetlands and Alterations to Shorelines and	ORCA	Required for works within ORCA Regulated Areas.



Table 1.1: Summary of Potential Environmental Permit and Approval Requirements

Permit/Approval	Administering Agency	Description
Watercourses), as per the Conservation Authorities Act, 1990		
Permit to Take Water (PTTW) or Environmental Activity and Sector Registry (EASR) (surface and groundwater) under the <i>Ontario Water Resources Act</i> (1990)	Ministry of the Environment, Conservation and Parks (MECP)	Under Ontario Regulation (O. Reg.) 64/16 and O. Reg. 63/16, the MECP requires a PTTW for dewatering in excess of 400,000 L/day, and an EASR for dewatering between 50,000 and 400,000 L/day. This can include trench dewatering and taking water for hydrostatic testing from a pond, lake, etc. There are some exceptions for surface water takings where active or passive surface water diversions occur such that all water taken is returned to within another portion of the same surface water feature.
Permitting or registration under the Endangered Species Act (ESA) (2007)	MECP	An ESA permit or Registration is required for activities that could impact species protected under the ESA. Consultation will occur with the MECP to determine ESA permitting requirements.
		As indicated in Section 9 (1) a of the ESA (2007), "No person shall kill, harm, harass, capture or take a living member of a species that is listed on the Species at Risk in Ontario List as an extirpated, endangered or threatened species."
		As indicated in Section 17 (1), "the Minister may issue a permit to a person that, with respect to a species specified in the permit that is listed on the Species at Risk in Ontario List as an extirpated, endangered or threatened species, authorizes the person to engage in an activity specified in the permit that would otherwise be prohibited by section 9 or 10."
Archaeological clearance under the <i>Ontario</i> Heritage Act (OHA)	Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI)	An archaeological assessment is required to identify areas of archaeological potential prior to any ground disturbances and/ or site alterations. The completed archaeological assessment reports are forwarded to the MHSTCI for review.
Review of Built Heritage and Cultural Heritage Landscapes under the OHA	MHSTCI	The MHSTCI Criteria for Evaluating Potential Built Heritage Resources and Cultural Heritage Landscapes (Checklist) was completed to determine the presence or absence of heritage resources in the Study Area and identify if further work is required. The Checklist determined the potential for cultural heritage resources within the Study Area and a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (CHECPIA) was recommended. The CHECPIA is currently being undertaken to identify the presence of cultural heritage resources within the Study Area, and to understand the potential impacts of the Project on these resources. The CHECPIA will include an impact assessment of the preferred alternative, with mitigation measures, and recommendations.



Table 1.1: Summary of Potential Environmental Permit and Approval Requirements

Permit/Approval	Administering Agency	Description	
Crossing Approval	Hydro One Networks Inc. (Hydro One)	Required for crossing Hydro One's electric transmission corridor. This will be determined during detailed design.	
MUNICIPAL PERMITS/APPROVALS			
Tree Cutting Notification	City of Kawartha Lakes (CKL)	Needed if removal of trees for construction will occur on municipally managed lands.	
Road Use Agreement	CKL	Required to conduct pipeline construction activities within the municipal road allowance.	
Noise By-law Exemption Permit	CKL	Required if construction activities will occur during the prohibited times outlined in the CKL Noise By-law 2005-25 and Township of Brock Noise By-law 2389-2011-PP.	



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2.0 CONSULTATION PROGRAM

2.1 OBJECTIVES

Consultation is an important component of the *OEB Environmental Guidelines*, 7th Edition (2016). Consultation is the process of identifying interested and potentially affected parties and informing them about the Project, soliciting information about their values and local environmental and socio-economic circumstances, and receiving advice about key Project decisions before those decisions are finalized.

The consultation program for this Project included the following objectives:

- Identify interested and potentially affected parties early in the process.
- Inform and educate interested parties about the nature of the Project, potential impacts, proposed
 mitigation measures and how to participate in the consultation program in a clear, concise, relevant
 and timely manner.
- Provide a forum for the identification of issues.
- Identify how input will be used in the planning stages of the Project.
- Summarize issues for resolution and resolve as many issues as feasible.
- Revise the program to meet the needs of those being consulted, as feasible.
- Develop a framework for ongoing communication during the construction and operation phase of the Project.

An extensive consultation program was undertaken for the Project, including development and maintenance of a stakeholder and Indigenous contact list, which was used to distribute the required notices, newspaper advertisements, agency meetings, one Virtual Open House, and provision of feedback to those members of the public who had questions, issues, or concerns or positive feedback about the Project. The communication and consultation activities are described in Sections 2.2 -2.4 below.



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2.2 IDENTIFYING INTERESTED AND POTENTIALLY AFFECTED PARTIES

The identification of interested and potentially affected parties was undertaken using a variety of sources, including the OEB's OPCC Members List, the MECP Environmental Assessment Government Review Team Master Distribution List, and the consultation experience of Enbridge and Stantec.

In addition, the categories listed below were among those considered when identifying the initial stakeholder contact list:

- Federal and provincial agencies and authorities, including KCA, ORCA and members of the OPCC.
- Municipal personnel, including elected officials.
- Residents and businesses (within the Study Area).
- Special interest groups.
- Indigenous communities identified by the Ministry of Energy through their Duty to Consult process.

The initial contact list was updated as the environmental study progressed due to changes in the proposed pipeline routes, changes to agency personnel, attendees at meetings and correspondence received regarding the Project. The final Indigenous, and External Agencies Contact List are located in Appendix B1.

Members of the public who responded to newspaper notices or provided their contact information during the Virtual Open House process were added to a Virtual Open House Public Contact List.

2.3 2017 CONSULTATION PROGRAM

A consultation program was developed and implemented in 2017 as part of the environmental study process. The consultation program consisted of notices in local newspapers, letters and emails to identified agencies and indigenous communities, letters sent via Canada Post unaddressed ad-mail, a project website, and an Open House which included display boards and an exit questionnaire. Documents from the 2017 consultation program can be found in Appendix B2.



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2.4 COMMUNICATION METHODS

2.4.1 Notice

A Notice of Commencement and Virtual Open House was published in two local newspapers (Peterborough This Week and Kawartha This Week) on two dates: September 2 and September 9, 2021. The Notice described the Project and the environmental study process, provided a map showing the preliminary preferred routes and alternative routes for the Supply Lateral and Reinforcement segments, and the details for the Virtual Open House which was made available online from September 13 to 27, 2021. The Notice was distributed through Canada Post unaddressed admail (14,905 flyers) on September 7, 2021, to all residents and businesses within the Study Area. A copy of the newspaper notice is located in Appendix B3.

2.4.2 Letters

A Notice of Commencement and Virtual Open House letter was emailed to the Indigenous communities and individuals on the Agency Contact list commencing on September 1, 2021. The letter described the Project and the environmental study process, provided a map showing the Supply Lateral and Reinforcement sections, the PPR and alternative routes as well as details regarding the Virtual Open House. The letter provided Project contact details and solicited information on planning principles or guidelines that may affect the Project, background environmental and socio-economic information, and other developments proposed in the area. The letter to Indigenous communities requested information on impacts that the Project may have on constitutionally protected aboriginal or treaty rights and measures for mitigating those impacts. Generic copies of the letters are located in Appendix B4.

2.4.3 Project Webpage

A Project website was placed on the Enbridge website, at www.enbridgegas.com/bobcaygeonproject. The website included an overview of the proposed Project, timelines for the Project, public consultation activities undertaken, information on the components of the ER that will be completed for this Project (such as route selection, existing Study Area conditions, potential environmental impacts and mitigation measures along the preferred route) and contact information for the Project Team. Copies of the Notices, Presentation Boards, Presentation Transcript and the Questionnaire were also made available on the Project website.

2.4.4 Social Media

The Virtual Open House was advertised on the Enbridge Gas Twitter, Instagram and Facebook pages. Copies of these social media posts are located in Appendix B5.



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2.4.5 Display Boards, Exit Questionnaire and Comment Form

Display boards were developed for the Virtual Open House, held from September 13 to 27, 2021. The display boards provided information on the Project, the regulatory process, the PPR and alternative routes for both the Supply Lateral and Reinforcement components, existing natural and socio-economic features, Enbridge's pipeline construction procedures and mitigation measures and next steps. An exit questionnaire was made available, and attendees could either submit the questionnaire directly through the Virtual Open House website or download a copy and send to the Project team via email. Completed questionnaires were requested to be submitted by October 13, 2021. The questionnaire requested feedback on whether concerns were adequately addressed by the Project Team regarding the Project and the OEB review and approval process. In addition, the questionnaire asked for feedback on environmental or socio-economic features within the Study Area that were either incorrectly mapped, omitted or are important to consider during the study. Finally, the questionnaire requested information on potential effects to residents and businesses that would need to be addressed prior to construction and operation of the pipelines, and any other issues or concerns about the proposed Project.

Copies of the display boards and the exit questionnaires are located in Appendix B5.

2.4.6 Indigenous Consultation

Indigenous communities were consulted with as directed by the Ministry of Energy's delegated Duty to Consult process. Enbridge engages in forthright and sincere consultation with Indigenous Peoples about Enbridge's projects through processes that seek to achieve early and meaningful engagement so their input can help define our projects and plans that may occur on lands traditionally used by Indigenous Peoples.

Enbridge will continue to consult with interested Indigenous communities throughout the life of the Project.

2.4.7 Agency and Municipal Engagement

Feedback was solicited from federal, provincial and municipal agencies including elected officials through written correspondence via email. A summary of the federal, provincial and municipal agency correspondence is included in Appendix B6.

Enbridge will continue to engage with all agencies as the Project progresses towards detailed design and construction.



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2.5 CONSULTATION EVENTS

2.5.1 Virtual Open House

In 2021, the Virtual Open House for the Project was held from September 13 to 27, 2021. A total of 245 individuals accessed the Virtual Open House website, and eleven (11) questionnaires were submitted either directly though the website or by email. Copies of the generic questionnaires and the completed questionnaires are located in Appendix B5.

2.6 INPUT RECEIVED

The consultation program allowed interested or potentially affected parties to provide input into the Project. Input was evaluated and integrated into the Project. Comment-response summary tables and copies of written correspondence and responses from 2021 are located in Appendix B6.

2.6.1 Public Input

The following sections provide a summary of the public input received during the environmental study and refinements made to the Project based on input.

2.6.1.1 Input

Seventeen (17) comments were received as of November 25, 2021, in addition to the exit questionnaires and were considered in the preparation of this ER. The main areas of comment include:

- clarification of a landowner's property is part of the route that will be serviced and Project clarification on what communities will be served along the route
- several inquiries as to whether or not specific properties can be serviced by natural gas
- concerns about the potential impacts to the natural environment, socio-economic environment and cumulative environmental effects
- comment regarding preference of the PPR for the Western Reinforcement due to the presence of established spruce trees along a property line which serve as wind breaks
- the design aspect (i.e., what side of the road the pipe would be installed, if any private land would be crossed, watercourse crossing methodologies and the construction schedule)

2.6.1.2 Project Refinements Based on Input

Questions and concerns were addressed at the Information Session and during the study via email or through telephone conversations. Environmental and socio-economic features identified during the Virtual Open House were confirmed by reviewing available secondary source data.



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2.6.2 Agency Input

The following sections provide a summary of the agency input received during the environmental study and refinements made to the Project based on input.

2.6.2.1 Input

Twenty-one (21) comments were received as of November 25, 2021, from federal and provincial
agencies and were considered in the preparation of this ER. A summary of the comments received is
provided below.

Federal Agencies

- Transport Canada does not require receipt of all individual or class EA related notifications. Project
 proponents are required to self-assess if their project: (1) will interact with a federal property and/or
 waterway by reviewing the Directory of Federal Real Property and (2) will require approval and/or
 authorization under any Acts administered by TC.
- Parks Canada indicated: "According to the map attached, the pipeline will cross the TSW at the
 Bobcaygeon River in two locations: specifically, the Little and Big Bob Channels. A TSW In-Water
 and Shoreline Work Permit will be required prior to any work above, in and or under these water
 bodies. An Environmental Impact Analysis will likely be required. Also, upon completion of the
 installation of the pipeline, a TSW Licence of Occupation will be necessary for those portions above,
 on or under the TSW".
- Trans-Canada Trail indicated that their trail system does not cross any of the proposed pipeline routes.

Provincial Agencies and Authorities

- The Ministry of Environment, Conservation and Parks (MECP), formerly the Ministry of Environment and Climate Change (MOECC), requested a shape file for the Study Area in order to provide information on historic landfills and areas of known contamination.
- MECP indicated that the Project falls within the geographic area governed by the MECP Eastern Region.
- MECP responded on October 25, 2021, with background information on eleven (11) Species at Risk (SAR) that could occur within the Project footprint, with Blanding's Turtle and bat SAR determined to have a high likelihood of occurring. MECP requested follow up with impact details to determine permitting requirements (if any) under the Endangered Species Act (2007).
- The MECP provided preliminary comments on the Project:
 - MECP has an interest in the potential impacts to surface and groundwater quality and quantity
 - The mapped route (provided via shapefile sent September 1, 2021) forwarded to the Source
 Water Protection Branch at MECP for review and comment



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- MECP is concerned with erosion and sediment controls and other practices for managing surface runoff and water crossings
- MECP has an interest in management of waste materials including those from construction and excavation and operation
- MECP has an interest in control of impacts to air quality, including control of odour, noise, dust and other contaminants during construction and operation and contingency activities.
- MECP recommends that complaint response protocols be developed to address reported well water disturbances, noise, dust and claims of property damage.
- MECP Peterborough District comments noted the closed Emily Landfill located at the corner of Shamrock Road and Centerline Road and that the groundwater plume arguably extends to the SE of the landfill where the pipeline is crossing. MECP Peterborough District also noted potential for shallow groundwater from the works yard at the same corner. Recommended that Enbridge consult with the City of Kawartha Lakes when working in this specific area.
- MECP Peterborough District also noted that if Horizontal Directional Drilling (HDD) is used, Enbridge should be cautious crossing the many watercourses, wetland features, and the source water protection areas.
- MECP Species at Risk Division provided the following preliminary comments:
 - Provided a list of threatened or endangered SAR which may be in the Project area (barn swallow, bank swallow, bobolink, eastern meadowlark, chimney swift, least bittern, eastern whip-poor-will, butternut, eastern prairie fringed orchid, Blanding's turtle, mottled duskywing.
 - Several Blanding's turtles have been observed in the area from 2009-2018, the closest of which within 2km of the project footprint
 - Provided the most recent guidance documents to assist in establishing best mitigation measures for the Project.
 - SAR bats may be found in the area (SAR bat advice, maternity roost survey document and SAR bat building exit and roost survey protocols document provided).
- MNDMNRF provided the following preliminary comments:
 - Natural heritage and natural resource GIS data layers can be obtained through Land Information Ontario (LIO)
 - The subject area is within the Growth Plan area recommend that the municipality be consulted.
 - The subject area contains/is adjacent to wetlands
 - Turtle critical periods (active season, hibernation, nesting, hatching and dispersal/migration)
 - Noted Pigeon Lake Marsh as a potentially affected Area of Natural and Scientific Interest (ANSI)
 - Noted a Licence to Collect Fish for Scientific Purposes or Wildlife Scientific Collector's Authorization may be required
- Ontario Parks (Emily Provincial Park) noted Ontario Parks are interested in the progress of the Project if the route is approved on Emily Park Road and Peace Road.



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- Infrastructure Ontario (IO) noted that an initial scan indicates property owned by the Ministry of Government and Consumer Services is within and adjacent to the Study Area.
- MHSTCI recommends a combined Stage 1-2 AA, that a Cultural Heritage Report be prepared and that the findings from the before-mentioned reports are summarized as part of the Environmental Report.
- The Ministry of Transportation (MTO) noted the following preliminary concerns with the Project:
 - The proposed Supply Lateral will be cross highway 7 east of Omemee, ON. The crossing will need to be no less than 3 meters below the traveled portion of the highway the entire right of way and/or 1.5 meter below the bottom of the ditch whichever is greater. All buried plant should be as level as possible across the entire length of the right-of-way and should be straight (perpendicular) to the traveled portion when crossing the highway.
 - The Ministry will also be resurfacing Hwy 7 from Omemee to Co Rd 36 in 2023.
 - Inquired if the Supply Latera will be a vital or none-vital line.
 - MTO prefers the alternative route in the Western Reinforcement. MTO is planning to widen Hwy 35 to 4 lane in this area in the future, which include new intersection, realigned road, overpass and underpass.
 - Requested that Enbridge confirm the workaround requirements for the future MTO work (1 metre or 3 metre workaround).
 - If decommissioning an existing pipe, the MTO will require that the abandoned pipe be removed completely from the ROW.

2.6.2.2 Project Refinements Based on Input

Feedback and information received from agencies was acknowledged, reviewed and incorporated into the route evaluation process, where required. See **Section 4.5** for further information on the Route Evaluation.

2.6.3 Stakeholder Input

The following sections provide a summary of the consultation and engagement activities undertaken during project planning as well as input received during the environmental study and refinements made to the Project based on input.

2.6.3.1 Input

One (1) comment was received from stakeholders of November 25, 2021. Hydro One provided a response to the Notice of Commencement and Virtual Open House noting that in their preliminary assessment, existing high voltage transmission facilities are located within the Study Area.



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2.6.3.2 Project Refinements Based on Input

The existing Hydro One high voltage transmission facilities are located within the Study Area but do not cross the Eastern Reinforcement. As such no impacts are anticipated from the Project. No refinements to the Project or recommended mitigation or protective measures were necessary as a result of interest group input.

2.6.4 Indigenous Consultation and Engagement

This section details the consultation and engagement activities undertaken to date during the Project planning. It includes the objectives, a list of Indigenous communities and stakeholders contacted, the communication methods and events undertaken, a summary of input received, and how the input has influenced the environmental study.

2.6.4.1 Consultation and Engagement

Eight (8) Comments received as of November 25, 2021, from Indigenous communities and were considered in the preparation of this ER. A summary of the consultation and engagement activities carried out by Enbridge are summarized below:

- Enbridge sent an email including the following: a summary of the Project, the NoCVOH and a map of the Study Area.
- Enbridge sent an email to the communities to indicate when the VOH was live and accessible.
- Enbridge sent an email to offer an in-person or virtual briefing on the Project, and invited each community to engage in a dialogue with Enbridge to understand the communities' potential interests and concerns
- Enbridge sent an email to update the communities on the Project's Archaeological Assessments, noting that a Stage 1 AA was being conducted for the Reinforcement sections and that a Stage 2 AA will be required. Enbridge sought confirmation of the communities' interest in the planned Stage 2 AA fieldwork.
- Enbridge sent a follow-up email to seek confirmation of the communities' interest in the planned Stage 2 AA work.
- Enbridge sent an update and documentation regarding the Stage 2 AA to the communities who confirmed interest in the Stage 2 AA work. The email noted field work dates, contact information and safety training materials.
- Enbridge sent a summary of the Stage 2 AA fieldwork conducted on November 16 and 17 to all communities.
- Enbridge provided a photo log taken during the Stage 2 AA fieldwork and noted that the fieldwork concluded on November 17.

Detailed correspondence between the Indigenous communities and Enbridge is noted in Appendix B6.



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2.6.4.2 Project Refinements Based on Input

Enbridge will continue to consult and engage with the indigenous communities as the Project proceeds. Enbridge will also contact the Indigenous communities who expressed interest in participating in the Stage 2 AA prior to commencement of work. A copy of the ER will also be provided to the Indigenous communities for review and feedback during the Ontario Pipeline Coordinating Committee review process.

Additional comments received and a summary of how they are addressed will be provided by Enbridge in the LTC application to the OEB.

2.7 MEDIA RELEASES/ARTICLES

The Project team was made aware of newspaper articles that were published during the course of the 2021 environmental study relating to the proposed Project. These newspaper articles can be found in the links below:

https://globalnews.ca/news/7937749/ontario-funding-expand-natural-gas-lines-bobcaygeon-city-of-kawartha-lakes/

https://www.kawarthalakes.ca/en/news/mpp-scott-announces-natural-gas-expansion-in-bobcaygeon.aspx

https://www.thestar.com/news/canada/2021/06/16/natural-gas-expansion-funding-announced-for-bobcaygeon.html

https://www.kawartha411.ca/2021/06/09/natural-gas-coming-to-bobcaygeon-funding-for-other-local-communities-denied/

https://lindsayadvocate.ca/about-4000-bobcaygeon-homes-businesses-to-get-natural-gas-expansion-option/

2.8 SUMMARY

At each stage of the consultation program, input received was compiled, reviewed, and incorporated into the environmental study process. Responses were provided, as applicable, to questions and concerns received. Enbridge has committed to ongoing consultation with Indigenous communities and engagement with agencies and directly-affected and interested parties through detailed design and construction, and will continue to respond to concerns through the life of the Project.



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3.0 EXISTING CONDITIONS

3.1 METHODOLOGY

The potential effects and impacts of the project on physical, biophysical and socio-economic features have been assessed within the Study Area. With an understanding of pipeline construction and operation activities (see Sections 3.1.1 and 3.1.2), the assessment describes the environmental and socio-economic setting within the Study Area. The potential impacts, proposed mitigation and protective measures and the anticipated net impacts to each physical, biophysical and socio-economic feature can be found in Table 5.1.

The inventory of existing environmental and socio-economic conditions, determination of effects and impacts, and mitigation and protective measures considered:

- Comments expressed during the consultation program
- Information available from published and unpublished literature
- · Maps and digital data
- Mitigation guidance documents
- Field assessments conducted by Stantec technical staff
- The pipeline development experience of Enbridge and Stantec

Specific information requests were made to several agencies throughout the project. The information collected assisted in identifying environmental and socio-economic features and constraints located on and adjacent to the existing route and alternative segments, the potential presence of SAR and their habitat, predicting effects and potential impacts, and developing mitigation and protective measures.

The existing conditions maps (Appendix C) have been generated from base mapping provided from Enbridge (2021) and data obtained from Land Information Ontario (LIO) and the MECP. Conservation Authority regulated area data was obtained from KCA. Scales have been adjusted from the original source to better represent the features mapped. Stantec has digitally reproduced features added to the base maps. Additional mapping sources are identified on the respective map, and in the references.

3.1.1 Construction

The pipeline construction process includes various activities as described below and will be undertaken in accordance with the Enbridge Construction and Maintenance Manual (October 27, 2021):

1. Site Preparation: The first crew to enter the construction site is typically the survey and staking crew who delineate the boundaries of the road allowance. Safety fence is installed at the edge of the construction road allowance where public safety considerations are required, and aspects of the traffic management plan are implemented (i.e., signs, vehicle access).



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- 2. Clearing: The clearing crew clears brush and other vegetation, where required, on the road allowance to permit construction of the pipeline.
- 3. Grading and Stripping: Next, the grading crew prepares the road allowance for access by construction equipment. At this stage, the topsoil (on agricultural lands) or the duff layer (on natural lands) is stripped by bulldozers and graders then segregated so it will not be mixed with the subsoil later removed from the trench. Existing landscaping is also removed and dewatering undertaken, where necessary.
- 4. Stringing: The stringing crew lays pipe on rollers adjacent to the proposed trench location.
- 5. Horizontal Directional Drilling (HDD): The drill set up area is graded; TWS is prepared for stringing of the drill pull section and drill entry and exit pits are excavated. The pipeline is then installed utilizing HDD.
- 6. Trenching: Once the road allowance has been graded, a hydraulic hoe will excavate the trench to a depth of at least 1m, which will then be prepared for the installation of the new pipeline. If bedrock is encountered during trenching, a hoe-ram could be used to break up the rock to the required trench depth and width. There is a potential that blasting will be required to excavate through rock where necessary. Laneways and trails are left over the trench as long as feasible where requested by the landowner.
- 7. Pipe Fabrication and Lowering: Next, the pipe is bent as required and the welding crew welds the pipe into continuous lengths. The pipe welds are x-rayed and coated then inspected before the pipeline is lowered into the trench. Crews also install pipes under obstacles such as roads or watercourses by directional drilling. The welds are global positioning system located with locations identified on the weld map along with the identification of each pipe section for future identification.
- 8. Backfilling: The backfilling crew backfills the originally excavated subsoil over the pipe in the trench. In shallow water table areas, the pipeline may be weighted to provide negative buoyancy. Surplus backfill material will be removed from the road allowance. The trench line will be crowned to allow for soil settlement.
- 9. Hydrostatic Test: The pipeline is then tested hydrostatically according to procedures outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021): Water is drawn from a suitable local source based on discussions with the appropriate authorities and will be disposed of appropriately (e.g., discharged to land or sanitary sewer, or removed by an Enbridge approved waste disposal provider). Upon completion of the hydrostatic testing, the pipeline is dried, purged of air and prepared for delivery of the product.



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10. Clean-Up and Restoration: The clean-up crew is responsible for the restoration of the road allowance and other work areas. In natural areas the clean-up crew undertakes restoration including re-seeding of the road allowance and restoring ditch banks, watercourse crossings, and wetland areas, and removing erosion and sediment controls. In developed areas the clean-up crew undertakes landscaping plans developed for site restoration.

3.1.2 Operation and Maintenance

Upon completion of the Project, the Project components will be transferred to Enbridge's operations for inclusion in the existing Pipeline Integrity Program. Enbridge has procedures in place to inspect and maintain the pipelines, including continuous monitoring of the network and regular field surveys for leak detection. Enbridge's Pipeline Integrity team has extensive technical, operational, and industry knowledge, and whose members remain current with industry practices. Detailed procedures and programs will be modified to include the new pipelines and to ensure the operation and maintenance activities for the Project comply with applicable provincial and federal legislation, regulations and guidelines.

Pipeline operation consists of monitoring and regulating the gas flowing through or being stored in the pipelines. Valves will serve to shut off and isolate the pipelines for maintenance and security purposes. Above-ground facilities along the pipeline, at the tie in or end point will include stations that will regulate the pressure of the gas in the pipelines.

3.2 PHYSICAL FEATURES

3.2.1 Bedrock Geology and Drift Thickness

The uppermost bedrock formations include Paleozoic limestone, shale and claystone of the Upper Ordovician age, deposited between 480 to 455 million years before the present (Freeman 1979). For the most part, the rock underlying this region is fine to medium grained limestone rocks of the Trenton and Black River Groups, which characterizes the bedrock geology underlying the Study Area (Gillespie and Richards 1957; Freeman 1979). Also within the area is limestone of the Lindsay and Verulam Formations, which are highly fossiliferous and disintegrate easily (Chapman and Putnam 1984). The combined Trenton and Black River Groups are also known as the Simcoe Group which contains the Gull River, Bobcaygeon, Verulam, and Lindsay Formations (Freeman 1979).

A selected bedrock resource area is located in the northern part of the Study Area near Bobcaygeon. Bedrock information is from Ontario Geological Survey Miscellaneous Release – Data MRD 219, Paleozoic Geology of Southern Ontario, OGS, 2007. Mineral aggregate resource information is from Aggregate Resources Inventory of Victoria County (ARIP 168), OGS, 2000.



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There are known and potential karst features within the Study Area in the Town of Bobcaygeon and along the northern edge of Pigeon Lake where bedrock is exposed. Known karst regions represent areas of karst, determined either by Ontario Geological Survey staff and/or from published maps. Potential karst areas means that the area is underlain by predominantly carbonate bedrock units that are susceptible to karstification but which are either far removed from present- and paleo-drainage river systems, and/or covered by overburden. Potential areas lack direct observation of karst features by Ontario Geological Survey staff and/or do not have any reported karst features.

3.2.2 Physiography and Surficial Geology

The topography of the Study Area tends to be gently rolling and along the proposed pipeline to the west of Pigeon Lake, gradually sloping eastward.

The Study Area traverses the Peterborough Drumlin Field and crosses silty to sandy drumlinized till plains with isolated areas of till moraines, sand plains, peat and muck and sand/gravel eskers (Chapman and Putnam, 2007). Surficial geology mapping (OGS, 2010) is generally consistent with the physiographic landforms and indicates sandy silt to silt sand till over the majority of the surrounding area, with the Study Area also crossing sandy glaciofluvial deposits, glaciolacustrine and ice contact stratified sand and gravel deposits and isolated areas of organic deposits. At the northern portion of the Proposed Route, bedrock is mapped at ground surface.

3.2.3 Hydrogeology

The Trent assessment report, which includes Kawartha-Haliburton Source Protection Area, indicates that high groundwater vulnerability is primarily mapped within the northern portion of the proposed pipeline, from Bobcaygeon to about Lakeview Estates. Medium to high groundwater vulnerability is mapped moving southward toward Highway 7. The southern extent of the proposed pipeline ranges from high to low vulnerability. The replacement line ranges from medium to low vulnerability (Trent Conservation Coalition, 2014). The designation of high groundwater vulnerability is due to the shallow overburden with bedrock near ground surface. Along the proposed pipeline, representing at least half of the route, is also mapped within a significant groundwater recharge area, likely due to the coarse overburden material and/or shallow bedrock. The source water protection features within the Study Area are shown in Appendix C, Figure C-4.

A review of 1,029 MECP Water Well Records (WWR) located within 500 m of the proposed pipeline route, indicates that detailed well construction are available. These records indicate that 31% of the wells (316 out of 1029) were completed at less than 10 m below ground surface (BGS). Of these shallow wells, 45% (141 out of 316) were overburden wells and 55% (175 out of 316) were bedrock wells. Of the shallow wells with static water level records, the average water level of the shallow overburden and bedrock wells was 2.4 m and 2.3 m BGS, respectively (MECP 2018).

There are two municipal water supply systems within the Study Area: Victoria Place Groundwater Supply System and Bobcaygeon Surface Water Supply System.



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The Victoria Place Groundwater Supply System consists of 4 wells completed to depths of 5 m to 17 m BGS, which are classified as groundwater supply. The proposed mainline crosses the Well Head Protection Area (WHPA) -D and the distribution pipe along The Captains Corners Road crosses within the WHPA -C, -B, - A, and -E (GUDI) for the drinking water supply system. The WHPA-D is defined as the time of travel within the aquifer to the well of 5 to 25 years, -C as the time of travel between 2 to 5 years, -B as the time of travel between the 100 m from the wellhead and 2 years' time of travel, -A as the 100 m radius around the wellhead, and -E (GUDI) as the area on the ground surface through which surface water flows in 2 hours to a point close to the well. The installation and/or long-term operation of the proposed pipeline is not a significant threat under the *Clean Water Act (2006)*.

The Bobcaygeon Surface Water Supply System obtains water from Big Bob River (near Sturgeon Lake). The proposed pipeline route crosses Intake Protection Zone (IPZ)-3 for the drinking water system. The IPZ-3 includes the area within the surface water body that may contribute to the intake and is considered a protective zone. The installation and/or long-term operation of the proposed pipeline is not a significant threat under the *Clean Water Act*.

3.2.4 Extractive Resources

Extractive resource sites were identified through a review of the Official Plans for the CKL. The Study Area is mainly comprised of agricultural lands. The Official Plan identified several extractive resources such as sand and gravel pits and other aggregates, located in and near the Study Area and located adjacent to the pipeline route; in particular along Pigeon Lake Road. In addition, numerous other open pit/quarries are located throughout the City of Kawartha Lakes and in particular within the Emily Creek Swamp, which is located west of the Study Area. Aggregate sites within the Study Area are shown in Appendix C. Figure C-1 and were obtained from Land Information Ontario (LIO), 2017.

3.2.5 Soil and Soil Capability

Agriculture is a major traditional industry for the region. The City of Kawartha Lakes is a mixed agricultural area with 1,500 working farms. The shallow soil and limestone bedrock combine to provide 360,000 acres of suitable pasture land for beef, dairy and mixed livestock (Gillespie and Richards 1957). A variety of field crops, fruit and vegetables are also grown in the region, but consist predominantly of hay and alfalfa.

The soil in the area has been classified by the Canadian Land Inventory as predominantly Class 1, 2 and 3 for the capability for agriculture. These are designations defined as no significant limitations to moderately severe limitations that restrict the range of crops or require special conservation practices.

The Study Area is located in a heavily glaciated area with many soil series present. A mosaic of soil types are present within the Study Area, but the predominant types are Cramahe gravel (a calcareous gravel) and Otonabee loam (calcareous loam and sandy loam till). The region is rolling to steep and hilly, in some places, and the drainage capabilities are good to excessive. Other soil types include Farmington, Dummer and Emily loam, Tecumseth, Granby, Brighton, and Dundonald sandy loams, and Muck (decomposed organic deposits) found in wetter areas. Soils along the Supply Lateral alternative route



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consist of Emily loam, Granby sandy loam, Brighton sandy loam, Otonnabee loam and Dundonald sandy loams. Table 3.1 below provides a summary of the soils within the Study Area and their use.

Table 3.1: Soils within the Study Area

Symbol	Soil Series	Soil Type	Drainage	Topography	Common Land Use
OI	Otonabee	Sandy Loam	Good to excessive	Moderately rolling to steep	General farming, however, less reliable than deeper series.
Ol-sh	Otonabee	Sandy Loam	Good to excessive	Moderately rolling to steep	General farming, however, less reliable than deeper series.
El	Emily	Loam	Imperfect	Undulating	Utilized for the production of hay, corn and pasture grasses.
М	Muck	Saturated organic soils	Very poor	Depressional	Mainly covered by treed vegetation and not used for cultivation.
Cg	Cramahe	Gravel	Good to excessive	Hilly	General farming, stock raising, grain growing, hay and clovers.
FI	Farmington	Loam	Variable	Nearly level	This land is used for grazing and is its only agricultural value.
Tsl	Tecumseth	Sandy Loam	Imperfect	Undulating	Some fair crops of fall wheat, rye, oats, tomatoes and small fruits.
Gsl	Granby	Sandy Loam	Good	Gently rolling	Used to grow crops such as fall wheat, rye, oats, corn, clover and alfalfa. Sometimes even specialty crops such as potatoes, tomatoes and small fruits also grown.
Brsl	Brighton	Sandy Loam	Good	Gently rolling	Used to grow crops such as fall wheat, rye, oats, corn, clover and alfalfa. Sometimes even specialty crops such as potatoes, tomatoes and small fruits also grown.
Dsl	Dundonald	Sandy Loam	Good	Moderately rolling	With a complete fertilizer mix the soil can produce a wide range of crops.
DI	Dummer	Loam	Good to excessive	Hilly	Mainly used for grazing purposes.

Sources: Ontario Soil Survey of Victoria, Report No. 25 (recompiled, drawn and published in 1957)

3.2.6 Soybean Cyst Nematode

Soybean cyst nematode (SCN) (*Heterodera glycines*) is a soil borne parasite that can significantly impact soybean yields. SCN is present in some southern Ontario agricultural fields and is spreading gradually from the southwest to the northeast. Recent documentation indicates that SCN has been identified east of Toronto (Riggs, 2015). As agriculture is a major traditional industry for the region and the City of Kawartha Lakes is a mixed agricultural area with 1,500 working farms, there is the potential for SCN to be present in the Study Area (i.e., if the TWS extends into agricultural land).



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3.2.7 Agricultural Tile Drains

Artificial tile drainage is commonly implemented as a way to remove excess moisture from the root zone to achieve maximum agricultural productivity in agricultural fields. LIO mapping (2017) shows that some systematic agricultural tile drainage systems occur within the Study Area (Appendix C, Figure C-1). Although the preliminary preferred pipeline routes and alternative routes are located within existing road allowances, there is still potential for tile drainage to be encountered on agricultural lands during construction (i.e., if the TWS extends into agricultural land).

3.2.8 Natural Hazards

Natural hazards are elements of the physical environment that have the potential to affect a project in an adverse manner. Potential natural hazards within the Study Area are limited. Natural hazards that may occur are seismic activity and flooding. The Study Area traverses KCA and ORCA Regulated Areas. A map of ORCA and KCA's Regulated Areas is located in Appendix C, Figure C-3.

The Study Area lies within the southern Great Lakes Seismic Zone (NRC 2013). This zone has a low to moderate level of seismicity when compared to the more active seismic zones to the east, along the Ottawa River and in Quebec.

Over the past 30 years, on average, 2 to 3 magnitude 2.5 or larger earthquakes have been recorded in the southern Great Lakes region. By comparison, over the same time period, the smaller region of Western Quebec experienced 15 magnitude 2.5 or greater earthquakes per year (NRC 2013).

Three moderate sized (magnitude 5) events have occurred in the 250 years of European settlement of this region, all of them in the United States - 1929, Attica, New York, 1986, near Cleveland, Ohio, and 1998, near the Pennsylvania/Ohio border. All three of these earthquakes were widely felt in southern Ontario but caused no damage in Ontario.

3.3 BIOPHYSICAL FEATURES

3.3.1 Aquatic Species and Habitat

As part of the assessment of potential environmental impacts, an aquatic habitat assessment was undertaken to document and characterize aquatic features in the Study Area. The assessment was undertaken to identify potential impacts and provide recommendations for mitigation measures.



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3.3.1.1 Methods

Background Data Review

A background data review was conducted to determine locations of potential water features in the Study Area. Data were gathered through agency requests and by accessing the following online databases and sources:

- MNDMNRF Natural Heritage Information Centre (NHIC) Database (MNDMNRF 2016, 2019)
- Email response received from the MNDMNRF (Hernould 2017)
- LIO mapping database (LIO 2017, 2021)
- DFO Aquatic Species at Risk (SAR) mapping

In addition to the above sources, KCA and ORCA were contacted to determine if areas regulated by the conservation authorities occur within the Study Area.

Potential watercourse crossings were identified through a review of available maps (LIO 2017, 2021) and aerial photographs of the Study Area.

Site Investigations

The purpose of the site investigations was to:

- Document existing aquatic habitat conditions within watercourse crossings along the preferred route.
- Determine whether any additional watercourse crossings exist along the preferred route, other than those identified in the MNDMNRF databases.

Site investigations were conducted within the road allowance at proposed watercourse crossings along the preferred route on June 20 and 21, 2017. Results of the site investigations were confirmed via desktop study during 2021. The survey included watercourse crossings identified during background data review and additional watercourse crossings observed along roads within the preferred route.

Aquatic habitat assessments were conducted on watercourses observable from the immediate road bank area along the preferred route. The assessment documented habitat features such as wetted widths, water depth, morphology, instream cover, bottom substrates, and barriers to fish passage.

As noted in Section 1.1 Project Description, reinforcement pipeline routes were determined for the segment south of Cowan's Bay and the segment along Highway 35, expanding the Study Area from that initially examined in 2017. Information for watercourse crossings along these segments was derived from a desktop review of available background information and no site investigations were competed at these crossing locations.



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3.3.1.2 Results

Background Data Review

The MNDMNRF's LIO digital mapping (LIO 2017, 2021) indicates that there are seven subwatersheds within the Study Area, including the Bobcaygeon River, the Pigeon River, Pigeon Lake, Emily Creek (which flows to Sturgeon Lake), Chemong Lake, Jackson Creek (which flows to the Otonabee River) and East Cross Creek (which flows to the Scugog River). The preferred route crosses 42 watercourses (Appendix C, Figure C-3), including the following:

- Two crossings of the Bobcaygeon River (Big Bob Channel and Little Bob Channel)
- Eighteen crossings of unnamed tributaries to Pigeon Lake
- Four crossings of unnamed tributaries to Emily Creek
- Three crossings of the Pigeon River
- Seven crossings of unnamed tributaries to the Pigeon River
- One crossing of an unnamed tributary to Chemong Lake
- One crossing of Jackson Creek
- Three crossings of unnamed tributaries to Jackson Creek
- Three crossings of unnamed tributaries to East Cross Creek

Background Information

Table 3.2 below provides a summary of the crossings associated with each of the subwatersheds within the Study Area:

Table 3.2: Subwatersheds and Associated Watercourse Crossings

Subwatershed	Cros	sing ID
Bobcaygeon River	BB-1 (Big Bob Channel) BR-1 (Little Bob Channel)	
Pigeon Lake	EC-1 PLR-1 PLR-2 PLR-3 PLR-4 PLR-5 PLR-6 PLR-7 PLR-8	PLR-9 PLR-10 PLR-11 PLR-12 PLR-13 PLR-14 PLR-15 CK-1 THR-1



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Table 3.2: Subwatersheds and Associated Watercourse Crossings

Subwatershed		Crossing ID	
Emily Creek	PLR-16 CR-1	CR-2 CR-3	
Pigeon River	CR-4 PR-1 FL-1 EPR-1 EPR-2	H35-2 H35-3 H35-4 SMR-1 SMR-2	
Chemong Lake	EPR-3	-	
Jackson Creek (Otonabee River)	CRT-1 CRT-2	CRT-3 CRT-4	
East Cross Creek (Scugog River)	H35-1 MHR-1	MHR-2	

Table 3.3 below summarizes MNDMNRF records (MNDMNRF 2016, 2019) for fish species that have been recorded in watersheds within the Study Area. Crossing locations are only identified for those crossings where fish habitat was present during field investigations. See Table 3.4 below for fish habitat locations.

 Table 3.3:
 Subwatersheds and Associated Watercourse Crossings

Waterbody	Crossing ID	Species Present (MNDMNRF 2016, 2019)
Bobcaygeon River and Pigeon Lake	BB-1 BR-1 EC-1 PLR-1 PLR-2 PLR-5 PLR-6 PLR-7 PLR-8 PLR-9 PLR-10 PLR-14	Banded Killifish (Fundulus diaphanus) Blackchin Shiner (Notropis heterodon) Blacknose Shiner (Notropis heterolepis) Brassy Minnow (Hybognathus hankinsoni) Burbot (Lota lota) Central Mudminnow (Umbra limi) Creek Chub (Semotilus atromaculatus) Iowa Darter (Etheostoma exile) Lake Whitefish (Coregonus clupeaformis) Logperch (Percina caprodes) Mottled Sculpin (Cottus bairdii) Northern Redbelly Dace (Chrosomus eos) Northern Pike (Esox lucius) Pearl Dace (Margariscus nachtriebi)



Table 3.3: Subwatersheds and Associated Watercourse Crossings

Waterbody	Crossing ID	Species Present (MNDMNRF 2016, 2019)
		Spottail Shiner (<i>Notropis hudsonius</i>) Suckers (<i>Catostomus sp.</i>) White Sucker (<i>Catostomus commersonii</i>)
Unnamed Tributaries to Emily Creek and Sturgeon Lake	PLR-15 PLR-16 CR-1 CR-2 CR-3	Black Crappie (Pomoxis nigromaculatus) Bluegill (Lepomis macrochirus) Blacknose Dace (Rhinichthys atratulus) Brassy Minnow (Hybognathus hankinsoni) Brook Stickleback (Culaea inconstans) Burbot (Lota lota) Carps and Minnows (Cyprinidae) Central Mudminnow (Umbra limi) Common Shiner (Luxilus cornutus) Creek Chub (Semotilus atromaculatus) Fathead Minnow (Pimephales promelas) Finescale Dace (Chrosomus neogaeus) Largemouth Bass (Micropterus salmoides) Mimic Shiner Muskellunge (Esox masquinongy) North American Catfishes (Ictaluridae) Northern Redbelly Dace (Chrosomus eos) Pearl Dace (Margariscus nachtriebi) Pumpkinseed (Lepomis gibbosus) Rock Bass (Ambloplites rupestris) Sculpins (Cottidae) Smallmouth Bass (Micropterus dolomieu) Spottail Shiner (Notropis hudsonius) Suckers (Catostomidae) Sunfishes (Centrarchidae) Salmon and Trout subfamily (Salmonidae) Walleye (Sander vitreus) Yellow Perch (Perca flavescens)
Unnamed Tributaries to Pigeon River	CR-4 PR-1	Brook Stickleback (<i>Culaea inconstans</i>) Carps and Minnows (<i>Cyprinidae</i>) Central Mudminnow (<i>Umbra limi</i>) Creek Chub (<i>Semotilus atromaculatus</i>) Fathead Minnow (<i>Pimephales promelas</i>) Muskellunge (<i>Esox masquinongy</i>) Pumpkinseed (<i>Lepomis gibbosus</i>) Rock Bass (<i>Ambloplites rupestris</i>) Salmon and Trout subfamily (<i>Salmonidae</i>) Spottail Shiner (<i>Notropis hudsonius</i>) White Sucker (<i>Catostomus commersonii</i>) Yellow Perch (<i>Perca flavescens</i>)



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Based upon data provided by LIO, twenty-one watercourses crossed by the preferred route are classified as warmwater habitat (MNDMNRF 2016). Coldwater habitat is mapped for four watercourses south of Cowan's Bay. Seventeen of the watercourses within the Study Area do not have a thermal classification in the LIO database. In the absence of other information (i.e., water temperature data, other available reports), and the presence of warmwater habitat in adjacent habitats, these watercourses have been considered as warmwater systems to determine potential impacts of the project. Figure C-3 in Appendix C illustrates the thermal regime obtained from LIO (2021) for watercourses crossed by the proposed pipeline.

Field Investigations

Site investigations were conducted on June 20 and 21, 2017 at the proposed crossing locations to confirm the presence of mapped watercourses and identify the potential for additional watercourse crossings that were not identified during background data review. Data collected during field investigations was used to determine the potential that a watercourse supports direct fish habitat. It was determined that a watercourse supported direct fish habitat if it met one or more of the following criteria:

- Mapping from LIO database suggests that the watercourse is directly connected to fish
 habitat. Conditions of channel suggest that flow is permanent, with the absence of visible barriers to
 fish passage (i.e., steep slopes, perched culverts).
- Habitat documented during field investigations is suitable to support fish.
- Fish were observed near the crossing during field investigations.

Table 3.4 provides a summary of habitat characteristics documented at each watercourse crossing. Details on habitat conditions are provided for those watercourses that were investigated in the field in 2017. An additional 17 crossings were identified along the reinforcement segments since fieldwork was completed for the route alternatives in 2017. Information regarding these additional crossings was based on background data review. The aquatic SAR include those listed in the SARA and the ESA.



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
BB-1	Bobcaygeon River (Big Bob Channel)	Yes	 Large river with development that has altered the banks. The channel has a wetted width of approximately 40 m providing pool habitat. Substrates include gravel, boulder, and silt. In-water cover consists of overhanging vegetation, deep pools, and boulders. Habitat is similar upstream and downstream of crossing. Provides suitable spawning habitat for a variety of species. Warmwater (MNDMNRF 2019) 	No
BR-1	Bobcaygeon River (Little Bob Channel)	Yes	 Large river with development that has altered the banks. The channel has a wetted width of approximately 70 m providing pool habitat. Substrates consist of cobble and gravel. In-water cover consists of overhanging vegetation, deep pools woody debris and aquatic vegetation. Habitat is similar upstream and downstream of crossing. Provides suitable spawning habitat for a variety of species. Warmwater (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
EC-1	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 3 m flowing through cattail marsh providing pool habitat. Substrates consist of detritus and sand. In-water cover provided by deep pools, woody debris, and aquatic vegetation. Provides suitable Esocid spawning habitat, however, grate over culvert inlet at Pigeon Lake Road crossing prevents large bodied fish entering area from Pigeon Lake. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-1	Unnamed Tributary to Pigeon Lake	Yes	 Straightened channel with a wetted width of approximately 2 m providing a combination of riffle, pool and run habitats. Substrates consist of sand, gravel, and silt. In-water cover provided by overhanging grasses and woody debris. Log jam at culvert outlet may be barrier to fish migration under low flow conditions. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-2	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 0.5 m providing a combination of pool, run and riffle habitats. Substrates consist of sand and silt. In-water cover provided by overhanging vegetation and woody debris. Culvert may be perched under low flow conditions and may function as barrier to fish movement. Unknown thermal regime (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
PLR-3	Unnamed Tributary to Pigeon Lake	No	 No visible channel within road ROW. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-4	Unnamed Tributary to Pigeon Lake	No	 No visible channel within road ROW. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-5	Unnamed Tributary to Pigeon Lake	Yes	 Upstream of Pigeon Lake Road, channel is straightened and parallels Kings Wharf Road. Downstream of Pigeon Lake Road, channel follows a naturally meandering pattern through a forest. Channel had a wetted width of 0.3 m with a depth of 0.10 m. Substrates consisted of sand, gravel, and silt. In-water cover was provided by overhanging vegetation, woody debris, and aquatic vegetation. Conditions observed (terrestrial vegetation species in channel) suggest that flow may be seasonal. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-6	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 1.5 m providing a combination of run, riffle, and pool habitats. Substrates consist of bedrock, cobble, sand, and silt. In-water cover provided by overhanging vegetation, woody debris, and aquatic vegetation. Unknown thermal regime (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
PLR-7	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 0.5 m providing a combination of run, riffle, and pool habitats. Substrates consist of clay, sand, and silt. In-water cover provided by overhanging vegetation, woody debris, and aquatic vegetation. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-8	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 0.8 m providing a combination of riffle and pool habitats. Substrates consist of gravel, sand, and silt. In-water cover provided by overhanging vegetation and woody debris. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-9	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 1.5 m providing a combination of run, riffle, and pool habitats. Substrates consist of gravel, sand, and silt. In-water cover provided by overhanging vegetation and woody debris. Culvert outlet was perched approximately 30 cm above water and functions as a barrier to fish movement. Unknown thermal regime (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
PLR-10	Unnamed Tributary to Pigeon Lake	Yes	 Natural channel with a wetted width of approximately 0.5 m providing a combination of pool, riffle and run habitats. Substrates consist of gravel, cobble, clay, and sand. In-water cover provided by overhanging vegetation, aquatic vegetation, and woody debris. Large cattail marsh east of Pigeon Lake Road may function as spawning habitat for Esocid species. Vegetation debris at culvert outlet may function as barrier to fish movement during low flow conditions. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-11	Unnamed Tributary to Pigeon Lake	No	 No visible channel within road ROW. No culvert located at mapped crossing. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-12	Unnamed Tributary to Pigeon Lake	No	 Watercourse consists of a roadside drainage ditch that included standing water during field investigations. Culvert crossing is in different location than shown on mapping (See Crossing PLR-12a on Figure C-2, Appendix C). Ditch and culvert were dry at the time of field investigations with no visible channel downstream of culvert outlet. Unknown thermal regime (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
PLR-13	Unnamed Tributary to Pigeon Lake	No	 Culvert crossing not observed at mapped location. Channel appears to have been redirected to flow north, paralleling Pigeon Lake Road as a roadside drainage ditch, and eventually flowing into a farm pond located approximately 600 m northeast of mapped crossing location. There is no visible channel located east of Pigeon Lake Road. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-14	Unnamed Tributary to Pigeon Lake	Yes	 Main channel is naturally meandering with a wetted width of approximately 0.8 m providing a combination of run, pool, and riffle habitats. Crossing also includes multiple roadside drainage ditches discharging into main channel on both sides of road. Substrates consist of gravel, sand, and clay. In-water cover provided by overhanging vegetation, aquatic vegetation, and woody debris. Culverts crossing under Pigeon Lake Road were perched approximately 30 cm at the outlets and function as a barrier to fish movement. Unknown thermal regime (MNDMNRF 2019) 	No
PLR-15	Unnamed Tributary to Emily Creek	No	 No visible channel within road ROW. No culvert located at mapped crossing. Water was observed near mapped crossing location, however, it consisted of isolated pools within wetland habitats. Warmwater (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
PLR-16	Unnamed Tributary to Emily Creek	Yes	 Straightened channel that parallels Pigeon Lake Road for approximately 1 km then turns to north and flows in a straightened channel through agricultural field. At the time of field investigations, the channel had a wetted width of approximately 1.5 m providing a combination of pool and run habitats. Substrates consist of detritus and gravel. In-water cover provided by overhanging vegetation and woody debris. Minimal flow and poorly defined low flow channel suggest that flow is intermittent. Warmwater (MNDMNRF 2019) 	No
CR-1	Unnamed Tributary to Emily Creek	Yes	 Flow originates in forested swamp and flows in a straightened channel through forest and agricultural fields. Channel had a wetted width of approximately 0.5 m providing a combination of run, riffle, and pool habitats. Substrates consist of gravel, sand, detritus, and clay. In-water cover provided by overhanging vegetation and woody debris. Warmwater (MNDMNRF 2019) 	No
CR-2	Unnamed Tributary to Emily Creek	No	 No visible channel within road ROW. Observed aquatic habitat consists of cattail marsh adjacent to road ROW with water approximately 0.5 m deep. Warmwater (MNDMNRF 2019) 	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
CR-3	Unnamed Tributary to Emily Creek	Yes	 Flow originates in large cattail marsh with open water pools, crossing under road through CSP culvert that discharges into a defined channel flowing through a forest. Channel downstream of road had a wetted width of approximately 1.0 m providing mostly pool habitats with a few runs. Substrates consist of detritus and silt. In-water cover provided by overhanging vegetation, deep pools, aquatic vegetation, and woody debris. Culvert outlet was perched approximately 0.5 m above water and is functioning as a barrier to fish movement. Warmwater (MNDMNRF 2019) 	No
CR-4	Unnamed Tributary to Pigeon River	No	 No visible channel within road ROW. No culvert located at mapped crossing. Warmwater (MNDMNRF 2019) 	No
PR-1	Unnamed Tributary to Pigeon River	Yes	 Natural channel with a wetted width of approximately 20 m providing pool habitat with slow moving flow. Substrates consist of sand, gravel, and boulder. In-water cover provided by overhanging vegetation, dense aquatic vegetation, boulders, and woody debris. Dense aquatic vegetation and substrates suitable for spawning and nursery habitats for a variety of species. Warmwater (MNDMNRF 2019) 	No
CK-1	Unnamed Tributary to Pigeon Lake	Unknown	Unknown thermal regime (MNDMNRF 2019)	



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
THR-1	Unnamed Tributary to Pigeon Lake	No	Unknown thermal regime (MNDMNRF 2019)	
FL-1	Pigeon Lake	Yes	Warmwater (MNDMNRF 2019)	No
EPR-1	Unnamed Tributary to Pigeon River	Yes	Warmwater (MNDMNRF 2019)	No
EPR-2	Unnamed Tributary to Pigeon River	Yes	Coldwater (MNDMNRF 2019)	No
EPR-3	Unnamed Tributary to Chemong Lake	Yes	Coldwater ((MNDMNRF 2019)	No
CRT-1	Unnamed Tributary to Jackson Creek	Yes	Warmwater (MNDMNRF 2019)	No
CRT-2	Jackson Creek	Yes	Warmwater (MNDMNRF 2019)	No
CRT-3	Unnamed Tributary to Jackson Creek	Yes	Warmwater (MNDMNRF 2019)	No
CRT-4	Unnamed Tributary to Jackson Creek	Yes	Warmwater (MNDMNRF 2019)	No



Table 3.4: Fish Habitat Summary

Crossing ID	Watercourse Name	Supports direct fish habitat	Field Observations	Aquatic Species At Risk Present* (NHIC 2017, 2021; DFO 2021)
H35-1	Unnamed Tributary to East Cross Creek	Yes	Warmwater (MNDMNRF 2019)	No
H35-2	Unnamed Tributary to Pigeon River	Yes	Warmwater (MNDMNRF 2019)	No
H35-3	Unnamed Tributary to Pigeon River	Yes	Coldwater (MNDMNRF 2019)	No
H35-4	Pigeon River	Yes	Coldwater (MNDMNRF 2019)	No
MHR-1	Unnamed Tributary to East Cross Creek	Yes	Warmwater (MNDMNRF 2019)	No
MHR-2	Unnamed Tributary to East Cross Creek	Yes	Warmwater (MNDMNRF 2019)	No
SMR-1	Pigeon River	Yes	Warmwater (MNDMNRF 2019)	No
SMR-2	Unnamed Tributary to Pigeon River	Yes	Warmwater (MNDMNRF 2019)	No

^{*}Aquatic Species at Risk (SAR) include those listed under the Species at Risk Act (SARA) and the Endangered Species Act (ESA).



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3.3.1.3 Aquatic Species At Risk

The federal *Species at Risk Act* (SARA) prohibits the killing, harming, harassing, capturing, or taking of an individual of a species that is listed as an extirpated, endangered or threatened species in Schedule 1 of the Act. It also prohibits the damage or destruction of the habitat of a species that is listed as endangered or threatened; or extirpated species provided that a recovery strategy has recommended the reintroduction of the extirpated species into the wild in Canada. DFO is responsible for federal aquatic SAR other than those in, or on, federal lands.

The provincial *Endangered Species Act*, 2007 (ESA) protects species that are Threatened, Endangered, or Extirpated in Ontario by prohibiting anyone from killing, harming, harassing, or possessing protected species, and by prohibiting any damage or destruction to the habitat of the listed species. All protected species are provided with general habitat protection under the ESA, with the goal of protecting areas that species depend on to carry out their life processes (e.g., reproduction, rearing, hibernation, migration or feeding). Some species have detailed habitat regulations that define the extent and characteristics of protected habitats.

Activities that may impact a protected species or its habitat require the prior issuance of a permit from the Ministry of the Environment, Conservation and Parks (MECP), unless the activities are exempted under Regulation. The current Ontario Regulation 242/08 identifies activities which are exempt from the permitting requirements of the ESA subject to rigorous controls outside the permit process including registration of the activity and preparation of a mitigation plan. Activities that are not exempt under O. Reg. 242.08 require a complete permit application process.

Based on DFO Aquatic SAR mapping (DFO 2021), the Study Area does not support any federally designated aquatic species at risk.

A review of the provincial NHIC database determined that there are no records of provincially designated aquatic SAR in the Study Area.

3.3.1.4 Aquatic Habitat Summary

Crossings at BB-1, BR-1 and FL-1 occur where the Bobcaygeon River and Pigeon River are wide and provide deep water habitat that is suitable to support multiple life stages of the fish species. Large and coarse substrates (boulders, cobble, gravel, etc.) that tend to be located along the shoreline are likely utilized by many species for spawning and nursery habitat, as well as cover areas for hiding and foraging.

Many of the tributaries crossed by the preferred route consist of two habitat types; narrow channels with moderate flow, and slower flowing areas surrounded by wetland habitats. The narrow channels provide suitable habitat for species that prefer moderately flowing habitats with gravel and sand substrates, such as Blacknose Dace, Creek Chub and Brook Stickleback. The slower flowing wetland habitats provide suitable habitat for other forage fish species such as Central Mudminnow, Fathead Minnow, Northern



Existing Conditions March 3, 2022

Redbelly Dace, and Pumpkinseed, which are all species that prefer slow moving, well vegetated habitats (Holm et al. 2009; Scott and Crossman 1998).

3.3.2 Forest and Vegetation Cover

The Project Study Area falls within Rowe's (1972) Great Lakes-St. Lawrence Forest Region where the vegetation is known to be relatively diverse. Hardwood forests may be dominated by sugar maple (*Acer saccharum*), American beech (*Fagus grandifolia*), white ash (*Fraxinus americana*), eastern hemlock (*Tsuga Canadensis*), with numerous other species found where substrates are well developed on upland sites. Lowlands, including rich floodplain forests, contain green ash (*Fraxinus pennsylvanica*), silver maple (*Acer saccharinum*), red maple (*Acer rubrum*), eastern white cedar (*Thuja occidentalis*), yellow birch (*Betula alleghaniensis*), balsam fir (*Abies balsamea*), and black ash (*Fraxinus nigra*) (Crins, 2009).

Vegetation Communities

Background Ecological Land Classification (ELC) vegetation community data using ELC for Southern Ontario (Lee et al, 1998; updated 2008) was obtained from KCA in October 2021. Portions of the route were field verified based on site visits conducted on June 20-21, 2017 (north of Cawan's Bay) and October 8, 2021 (Phase 1). ELC for the full route will be completed prior to construction and presented in a separate report.

Significant woodlands are identified on Schedule B (dated March 17, 2011) of the Official Plan of the CKL. Significant woodlands include forest and treed swamp communities that have been identified by the CKL as communities whose natural features and ecological functions should be maintained in a sustainable manner. Significant woodlands were identified in the Study Area, and are shown in Appendix C, Figure C-2.

Other woodlands identified by the MNDMNRF on LIO (2021) natural heritage mapping are shown on Appendix C, Figure C-2.

Wetland communities (including treed swamps) located within the Study Area will be discussed in Section 3.3.3.

3.3.3 Wetlands

The Ontario Wetland Evaluation System (OWES) is used to identify provincially significant wetlands (PSWs). An evaluated wetland may be one contiguous unit or may be a series of smaller wetlands functioning as a whole. Evaluated wetlands that do not qualify as provincially significant may be designated locally significant and may be protected through local planning and policy measures. There may also be unevaluated wetlands in an area.

A review of LIO (2021) natural heritage mapping indicated that 9 PSWs, 1 other/locally significant wetland and a mosaic of unevaluated wetlands occur within the Study Area (Appendix C, Figure C-2).



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Wetlands identified within 120 m of the proposed pipeline (generally from north to south) include:

- Emily Creek No. 2 PSW
- Victoria Park Marsh PSW
- Pigeon Lake No. 15 PSW
- Pigeon River No. 29 (other/locally significant)
- Cowan's Bay PSW
- Potash Creek Complex PSW
- Jackson Creek Headwaters PSW
- Cavan Bog Wetland Complex PSW
- Pigeon River No. 20 PSW
- East Cross Creek no. 15 PSW
- Many other unevaluated wetlands located within the Study Area.

3.3.4 Wildlife Habitat and Species at Risk

Records of wildlife within the vicinity of the Study Area were compiled from available literature and resources including the Atlas of the Mammals of Ontario (Dobbyn, 1994), Reptiles and Amphibians of Ontario (Ontario Nature, 2013) and the Ontario Breeding Bird Atlas (Cadman et al., 2007).

The potential for species to be present along the preferred route are limited by the habitat suitability and availability supported by the Study Area. Therefore, the identified species recorded from these databases may not occur along the preferred pipeline route. The following section outlines the potential impacts and mitigation measures for areas where construction of the pipelines, within the existing road allowance, may interact with wildlife and wildlife habitat.

Significant Wildlife Habitat

Wildlife habitat is defined as an area where plants, animals and other organisms live, including areas where species concentrate at a vulnerable point in their life cycle and that are important to migratory and non-migratory species (MNDMNRF, 2010). Wildlife habitat is considered significant if it is ecologically important in terms of features, functions, representation or amount, and contributing to the quality and diversity of an identifiable geographic area or Natural Heritage System (MNDMNRF, 2010).

Significant wildlife habitats (SWH) are grouped into four categories:

- 1. Seasonal concentration areas
- 2. Rare vegetation communities or specialized habitats
- 3. Habitats of species of conservation concern
- 4. Animal movement corridor



Existing Conditions March 3, 2022

The presence of SWH in the Study Area was determined in two ways. First, publicly available NHIC data was reviewed for SWH (MNDMNRF 2021, CKL 2020). Second, potential SWH was identified comparing the Significant Wildlife Habitat Criteria Schedules for Ecoregion 6E (MNDMNRF 2015) to aerial photography and results of the habitat assessments conducted in 2017 and 2021. Details of the significant wildlife assessment are summarized below.

According to the CKL mapping in Schedule B, SWH features are located in the Study Area.

3.3.4.1 Seasonal Concentration Areas

Seasonal Concentration Areas are sites where large numbers of a species gather at one time of the year, or where several species congregate. Only the best examples of these concentration areas are typically designated as SWH. Review of the NHIC (MNDMNRF 2021) database identified colonial nesting bird habitat for waterbirds (ground) and mixed wader birds (tree/shrub) and deer wintering areas. SWH for colonial nesting birds was documented in approximately 30 - 1 x 1 km squares that overlap with the Study Area with deer wintering areas are shown on Figure C-2, Appendix C. Additional seasonal concentration areas that may occur in the Study Area, based on the SWH Criteria Schedule for Ecoregion 6E (MNDMNRF 2015), are assessed in Table D-2, Appendix D.

3.3.4.2 Rare Vegetation Communities or Specialized Habitats

Rare vegetation communities or specialized habitats are defined as separate components of SWH. Rare vegetation communities are habitats that are considered rare or uncommon in the ecoregion, as defined in the SWH Criteria Schedules (MNDMNRF 2015). These habitats may support wildlife species that are considered significant. Specialized habitats are microhabitats that are critical to some wildlife species. Review of the NHIC (MNDMNRF 2021) database did not identify any rare vegetation communities or specialized habitats within the Study Area.

Potential for rare vegetation communities or specialized habitats based on the SWH Criteria Schedule for Ecoregion 6E (MNDMNRF 2015) are discussed in Table D-2, Appendix D.

3.3.4.3 Habitat for Species of Conservation Concern

There are four types of species of conservation concern (SOCC): those which are rare, those whose populations are significantly declining, those which have been identified as being at risk from certain common activities and those with relatively large populations in Ontario compared to the remainder of the globe. The Significant Wildlife Habitat Criteria Schedule for Ecoregion 6E (MNDMNRF, 2015a) identifies marsh, open country and shrub/early successional bird breeding habitat and special concern and rare wildlife species in this category.



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Rare species are considered at five levels: globally rare, federally rare with designations by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC), provincially rare with designations by the Committee on the Status of Species at Risk in Ontario (COSSARO), regionally rare (at the Site Region level), and locally rare (in the municipality or Site District). This is also the order of priority that should be assigned to the importance of maintaining species.

Some species have been identified as being susceptible to certain practices, and their presence may result in an area being designated SWH.

As detailed in Table D-2 (Appendix D), habitat for marsh, open country and shrub/early successional breeding birds may occur in the Study Area.

Species designated as special concern provincially or federally are included as species of conservation concern. S-Ranks are status rankings (see list below) assigned for the province by the MNDMNRF and available in the NHIC database. Provincially rare species are those with S-Ranks of S1, S2 or S3 (MNDMNRF, 2021):

- S1 Critically Imperiled
- S2 Imperiled
- S3 Vulnerable
- S4 Apparently Secure
- S5 Secure

The NHIC database was accessed on October 28, 2021 to obtain records of species of conservation concern (less than 30 years old) in the vicinity of the preferred route. A review of the NHIC database has indicated that 10 species of conservation concern have been previously documented in the vicinity of the Study Area. This list includes those species with a provincial ranking of S1 through S3, as well as species considered special concern (SC) federally or provincially.

The Ontario Breeding Bird Atlas (Cadman et al., 2007), Ontario Reptile and Amphibian Atlas (Ontario Nature, 2013) and the Ontario Mammal Atlas (Dobbyn, 1994) were also accessed to determine whether there is a potential for additional species of conservation concern in the Study Area. Based on this review, 18 wildlife species of conservation concern have ranges that overlap the Study Area, including 6 species of reptiles and 12 species of breeding birds. Additionally, 2 plant species of conservation concern were identified.

Exact locations of species occurrences are not available from these databases or atlases, and the potential for species to be present is limited by habitat suitability and availability. Therefore, the identified species recorded from these databases may not occur in the Study Area.

Table 3.5 below provides a summary of the species of conservation concern that have been identified during the NHIC and Wildlife Atlas background review, and whether potential habitat for these species is present in the Study Area.



Table 3.5: Terrestrial Species of Conservation Concern

Common Name	Scientific Name	SRANK	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)
REPTILES						·
Eastern Milksnake	Lampropeltis triangulum	S3	SC	SC	ORAA, NHIC	Y – Habitat occurs throughout Study Area, especially near old foundations
Eastern Musk Turtle	Sternotherus odoratus	S3	SC	sc	ORAA	Y – Pigeon Lake, Bobcaygeon River
Eastern Ribbon Snake	Thamnophis sauritus	S3	SC	sc	ORAA	Y – Found near water
Five-lined Skink (south sheild)	Eumeces fasciatus	S 3	SC	SC	ORAA	Y – Open habitats with rock/gravel substrate
Northern Map Turtle	Graptemys geographica	S3	SC	sc	ORAA	Y – Pigeon Lake, Bobcaygeon River
Snapping Turtle	Chelydra serpentina	S 3	SC	SC	ORAA	Y - Shallow marsh and open aquatic communities
AMPHIBIANS						
Western Chorus Frog - Great Lakes - St. Lawrence - Canadian Shield population	Pseudacris maculata pop. 1	S4	NAR	THR	NHIC	Y – swamps, marshes, wet meadows
BIRDS						•
Bald Eagle	Haliaeetus leucocephalus	S4B, S2N	SC	NAR	OBBA	Y – However, no large nests observed in the Study Area
Black Tern	Chlidonias niger	S3B	SC	NAR	OBBA	Y – Large, open marshes with aquatic vegetation
Canada Warbler	Wilsonia canadensis	S4B	SC	THR	OBBA	Y – Moist, mixed forests
Common Nighthawk	Chordeiles minor	S4B	SC	THR	OBBA	Y – Open habitats with rock/gravel substrate
Eastern Wood- Pewee	Contopus virens	S4B	SC	SC	OBBA, MECP	Y – Deciduous forests



Table 3.5: Terrestrial Species of Conservation Concern

Common Name	Scientific Name	SRANK	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)
Golden-winged Warbler	Vermivora chrysoptera	S4B	SC	THR	OBBA	Y – Successional scrub habitats bordered by forests
Grasshopper Sparrow	Ammodramus savannarum	S4B	SC	SC-NS	OBBA	Y – Large meadows
Louisiana Waterthrush	Parkesia motacilla	S3B	THR	THR	ОВВА	Y – Ravines within forested communities, or flooded mature deciduous swamps
Olive-sided Flycatcher	Contopus borealis	S4B	SC	THR	OBBA	Y – Coniferous forests
Short-eared Owl	Asio flammeus	S2N, S4B	SC	sc	OBBA	Y- Large, open meadows
Red-headed Woodpecker	Melanerpes erythrocephalus	S3	SC	END	NHIC	Y – open/cultural woodlands, hedgerows, roadside
Wood Thrush	Hylocichla mustelina	S4B	SC	THR-NS	OBBA	Y – Mature deciduous forests
Yellow Rail	Coturnicops noveboracensis	S4B	SC	SC	OBBA	Y –In sedge dominated shallow marshes in the Study Area
INVERTEBRATE	S					
Cyrano Darner	Nasiaeschna pentacantha	S3	Not Listed	Not Listed	NHIC	Y – lakes, ponds, slow-moving streams
Northern Bush Katydid	Scudderia septentrionalis	S3?	Not Listed	Not Listed	NHIC	Y – deciduous forest canopies
Tapered Vertigo	Vertigo elatior	S2S3	Not Listed	Not Listed	NHIC	Y – calcareous sites
Transverse Lady Beetle	Coccinella transversoguttata	S1	Not Listed	SC	NHIC	Y – agricultural fields, forests, pastures and meadows
Yellow-banded Bumbe Bee	Bombus terricola	S5	SC	SC	NHIC	Y – meadows, mixed woodlands, agricultural areas



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Table 3.5: Terrestrial Species of Conservation Concern

Common Name	Scientific Name	SRANK	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)
PLANTS						
Swamp Valerian	Valeriana uliginosa	S 2	Not Listed	Not Listed	NHIC	Y – marshy meadows, calcareous swamps (particularly with cedar)
Minakata's Shield Moss	Buxbaumia minakatae	S1	Not Listed	Not Listed	NHIC	Y – decaying logs in deciduous or mixed forests

NOTES:

AMO: Atlas of the Mammals of Ontario

END: Endangered - a species facing imminent extinction or extirpation

NHIC: Natural Heritage Information Centre OBBA: Ontario Breeding Bird Atlas

ORAA: Ontario Reptile and Amphibian Atlas

COSSARO: Committee on the Status of Species at Risk in Ontario COSEWIC: Committee on the Status of Endangered Wildlife in Canada THR: Threatened - a species that is at risk of becoming endangered

SC: Special Concern - a species with characteristics that make it sensitive to human activities or natural events

S1:Critically Imperiled - Critically imperiled in the province (often 5 or fewer occurrences)

S2: Imperiled - Imperiled in the province, few populations (often 20 or fewer)

S3: Vulnerable - Vulnerable in the province, relatively few populations (often 80 or fewer)

S4: Apparently Secure - Uncommon but not rare

S?: Rank Uncertain

SH: Possibly Extirpated (Historical)

S#B: Breeding status rank

NS: No schedule - not yet on a Species at Risk Act schedule

3.3.4.4 Animal Movement Corridors

Animal movement corridors are elongated, naturally vegetated parts of the landscape used by animals to move from one habitat to another (MNR 2000). Rivers, creeks, and drains may be used as amphibian movement corridors to/from breeding habitat while forested cover may be used by deer moving to/from wintering habitat. These features are present within 120 m of the preliminary route. Hedgerows may also serve as small linkages (MNR 2000). Preliminary vegetation community classification indicates the presence of rivers, drains and linear hedgerows within 120 m of the preliminary preferred route. Animal movement corridors are discussed in Table D-2 (Appendix D).

3.3.4.5 Species at Risk

Species at risk are those species given status rankings, by the Federal Committee on the Status of Endangered Wildlife in Canada (COSEWIC) and/or the provincial Committee on the Status of Species at Risk in Ontario (COSSARO), as threatened or endangered according to federal or provincial legislation.



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Endangered and threatened species receive general habitat protection under the ESA 2007. Special concern species are not afforded habitat protection and have been summarized as species of conservation concern above.

Recent records (less than 30 years old) of endangered and threatened species were obtained through the NHIC database on the LIO Natural Heritage Mapping website, accessed October 28, 2021. The NHIC database uses Element Occurrences to show locations of species. An Element Occurrence is defined as an area of land and/or water on/in which an element (e.g., species or ecological community) is or was present. For protection purposes, exact locations of species are not provided (only within a 1 km grid), and presence of the species in the Study Area are not definite.

In addition to the NHIC search, the Ontario Breeding Bird Atlas (Cadman et al., 2007), the Ontario Reptile and Amphibian Atlas (Ontario Nature, 2013) and the Ontario Mammal Atlas (Dobbyn, 1994) were accessed to determine whether there is a potential for additional endangered and threatened species in the Study Area. Based on a review of background information and consultation with the MECP (email received October 25, 2021), 20 threatened and endangered species have ranges that overlap the Study Area, including 2 species of reptile, 11 species of breeding birds, 3 species of mammal, 2 species of invertebrates and 2 species of plants as shown in Table 3.6.

Exact locations of species occurrences are not available from these atlases, and the potential for species to be present is limited by habitat suitability and availability. Therefore the identified species recorded from these atlases may not occur in the Study Area.

Table 3.6: Terrestrial Species at Risk

Common Name	Scientific Name	SRAN K	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)
REPTILES						
Blanding's Turtle	Emydoidea blandingi	S 3	THR	THR	ORAA, MECP	Y – Ponds, marshes and lakes with shallow water and abundant aquatic vegetation
Eastern Hog- nosed Snake	Heterodon platirhinos	S3	THR	THR	ORAA	Y – Sandy soils adjacent to cover and near water
BIRDS	·					
Barn Swallow	Hirundo rustica	S4B	THR	THR-NS	MECP OBBA	Y – Human-made structures; culverts and bridges
Bank Swallow	Riparia	S4B	THR	THR	MECP OBBA	Y – roadside or waterbody embankments



Table 3.6: Terrestrial Species at Risk

Common Name	Scientific Name	SRAN K	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)	
Bobolink	Dolichonyx oryzivorus	S4B	THR	THR-NS	OBBA, NHIC, MECP	Y – Large hayfields and pastures	
Cerulean Warbler	Dendroica cerulea	S3B	THR	END	ОВВА	Y – Mature deciduous forests	
Chimney Swift	Chaetura pelagica	S4B, S4N	THR	THR	OBBA	Y- Forests and swamps, however prefers human-made structures	
Eastern Meadowlark	Sturnella magna	S4B	THR	THR-NS	OBBA, NHIC, MECP	Y – Meadows, hayfields, pastures and woodlands	
Eastern Whip- poor-will	Antrostomus vociferus	S4B	THR	THR	OBBA	Y – Large, open woodlands	
Henslow's Sparrow	Ammodramus henslowii	SHB	END	END	OBBA	N – No large fallow meadows; very rare	
Least Bittern	lxobrychus exilis	S4B	THR	THR	OBBA, NHIC, MECP	Y – Marshes	
Loggerhead Shrike	Lanius Iudovicianus	S2B	END	END	OBBA	No – No successional grazed scrubland; very rare	
Northern Bobwhite	Colinus virginianus	S1	END	END	OBBA	N – No large meadow habitat; extremely rare	
MAMMALS							
Little Brown Myotis	Myotis lucifugus	S5	END	END	AMO COSEWI C*	Y – Forests and swamps	
Northern Myotis	Myotis septentrionalis	S3?	END	END	AMO COSEWI C*	Y – Forests and swamps	
Tri-coloured Bat	Perimyotis subflavus	S3?	END	END	AMO COSEWI C*	Y – Forests and swamps	
INVERTEBRATES							
Gypsy Cuckoo Bumble Bee	Bombus bohemicus	S4	END	END	NHIC	N – only known to occur in Pinery Provincial Park, Dunks Bay, Oliphan Fen, and Presqu'ile Provincial Park (Colla, 2017).	



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Table 3.6: Terrestrial Species at Risk

Common Name	Scientific Name	SRAN K	Provincial Status (COSSARO)	National Status (COSEWIC)	Source	Potential Habitat in the Study Area? (Y/N)
Mottled Duskywing	Erynnis martialis	S2	END	END-NS	MECP	N – nearest isolated occurrence is in Alderville (COSEWIC 2012)
PLANTS						
Butternut	Juglans cinerea	S2?	END	END	NHIC MECP	Y – identified during field studies, shown on Figure C-2.
Eastern Prairie Fringed Orchid	Platanthera leucophaea	S2	END	END	MECP	Y – wetlands, swamps, roadside rights-of-way

NOTES:

AMO: Atlas of the Mammals of Ontario

END: Endangered - a species facing imminent extinction or extirpation

NHIC: Natural Heritage Information Centre

OBBA: Ontario Breeding Bird Atlas

ORAA: Ontario Reptile and Amphibian Atlas

COSSARO: Committee on the Status of Species at Risk in Ontario COSEWIC: Committee on the Status of Endangered Wildlife in Canada

MECP: Ministry of Environment, Conservation and Parks correspondence October 25, 2021

*COSEWIC Assessment and Status Report on the Little Brown Myotis, Northern Myotis, and Tri-colored Bat in Canada

THR: Threatened - a species that is at risk of becoming endangered

SC: Special Concern - a species with characteristics that make it sensitive to human activities or natural events

S1: Critically Imperiled - Critically imperiled in the province (often 5 or fewer occurrences)

S2: Imperiled - Imperiled in the province, few populations (often 20 or fewer)

S3: Vulnerable - Vulnerable in the province, relatively few populations (often 80 or fewer)

S4: Apparently Secure - Uncommon but not rare

S5: Secure - Common, widespread, and abundant in the province

S?: Rank Uncertain

SH: Possibly Extirpated (Historical)

S#B: Breeding status rank

NS: No schedule - not yet on a Species at Risk Act schedule

Preliminary investigations within the Study Area identified a single butternut (*Juglans cinereal*), see Figure C-2, Appendix C. This species is ranked as S4 (apparently secure) provincially and is designated as endangered both provincially and federally. It is afforded general habitat protection under the ESA 2007. Potential exists for additional butternut trees to be present within the Study Area.

Although potential habitat for species at risk is present in the Study Area, the proposed PPR and alternative routes are located within an existing road allowance that is periodically disturbed for maintenance work. In addition, construction techniques will avoid some sensitive habitats (i.e., through the use of trenchless technologies such as HDD) for areas associated with watercourses and wetlands. Potential impacts and mitigation measures for areas where construction of the pipeline may interact with wildlife and wildlife habitat are noted in Table 5-1 (Section 5.0).



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3.4 SOCIO-ECONOMIC ENVIRONMENT

3.4.1 Residents and Businesses

The Supply Lateral commences at the community of Cowan's Bay and passes near the two small communities of Lakeview Estates and Victoria Place before terminating in the community of Bobcaygeon. There are several rural residential properties including agricultural operations adjacent to the Supply Lateral. The non-agricultural businesses include the Gaming Nature Centre, the Globus Theatre, the Lonesome Pine Cottage and RV Resort, the Bobcaygeon Pet Retreat, the Lilac Lodge & Trailer Park, the Green Acres Trailer Park and the Birch Cove Campgrounds. Commercial businesses include: ATV and marine dealerships, building supply and renovation stores, motels, service stations, retail stores, restaurants, convenience stores, housing sales, pharmacies, auto repair shops and professional services such as a dentist and accountant.

The Eastern Reinforcement commences in Cowan's Bay and parallels County Road 10, also known as Emily Park Road, extending into the Township of Cavan Monaghan's municipal boundary, terminating at Stewart Line. The Eastern Reinforcement parallels Emily Provincial Park, located to the immediate South of Cowan's Bay. There are several rural residential properties and commercial businesses along Highway 10 including automotive repair shops and a convenience store at the intersection of Mount Pleasant Road and Queen Mary Street. The Western Reinforcement is located south of the community of Mount Horeb. The Western Reinforcement PPR travels along Highway 35 from the intersection of Mount Horeb Road to Bethany Hills Road, and the alternative route extends east from the intersection with Highway 35 and Mount Horeb Road to the intersection with St. Mary's Road continuing south to the intersection with Bethany Hills Road.

The Study Area is located west of the community of Lindsay, in the CKL. Statistics Canada (2016) provided census information for CKL and the community of Bobcaygeon. CKL encompasses an area of 3,084 km², with the estimated population for 2016 to be 75,423, a gain of 3% from 2011 (73,219). As of 2016, 38,444 private dwellings existed in CKL, with 31,106 considered occupied as primary residents, 13,330 (42.9%) of households are two-person residences with one-person households comprising 7,685 (24.7%). Three or more people per residence make up the remaining 32.4% (10,095) of households in CKL. In the area of Kawartha Lakes, approximately 13% of the residents are below the age of 15, 61.6% are between the ages of 15 and 65 and 25.3% are older than 65.

The community of Bobcaygeon has a population estimated at 3,525 for 2016. With a land area of 5.27 km², the population density of the community of Bobcaygeon is 668.9 people per km². As estimated for 2016, 1,714 private dwellings occupied by year-round residents existed in the community of Bobcaygeon.



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3.4.2 Institutional Services & Facilities

Institutional facilities identified within the Study Area are identified in Appendix C, Figure C-1.

Within Bobcaygeon, there is one library (Bobcaygeon Public Library: 21 Canal St E, Bobcaygeon, ON) a Royal Canadian Legion (Branch 239: 96 King St E, Bobcaygeon, ON), a Canada Post Office (105 Bolton St, Kawartha Lakes, ON). The Canada Post office is classified as a federal property and building based on a review of the Directory of Federal Real Property (DRFP) online mapping tool through the Treasury Board of Canada Secretariat (2017). A large nursing home, Pinecrest (3418 Kawartha Lakes County Road 36, Bobcaygeon), and two retirement residences, Kawartha Lakes Retirement Residence (60 West Street, Bobcaygeon) and Case Manor Care Community (28 Boyd Street, Bobcaygeon) are located in Bobcaygeon.

There are four places of worship within the community of Bobcaygeon; Trinity United Church: 42 William St, Bobcaygeon, ON; Bethel Christian Fellowship: 128 Main St, Bobcaygeon, ON; Our Lady of Peace Catholic Church: 18 Need St, Bobcaygeon, ON; and Knox Presbyterian Church (2 Cedartree Ln, Bobcaygeon, ON).

The CKL and Township of Cavan Monaghan are served by the Ontario Provincial Police (OPP). Fire protection services are provided by the CKL Fire and Rescue Service for the CKL. Fire Station (Station 3) is located in the community of Bobcaygeon and the Bobcaygeon Service Centre is located at 123 East Street South, Bobcaygeon and provides administrative and municipal services for the CKL. The Cavan Monaghan Fire Department provides fire protection services for the Township of Cavan Monaghan. Cavan Monaghan Township has two fire stations: Station 1 is located at 52 King Street East in Millbrook, and Fire Hall 2, which is within the Study Area, is located at 1047 Mt Pleasant Road in Cavan.

Emergency Services are provided by the CKL Paramedic Service. Ambulance stations are located in the community of Bobcaygeon. The closest medical facility is Ross Memorial Hospital which is located outside of the Study Area in the community of Lindsay.

3.4.3 Culture, Tourism & Recreation Facilities

As the Study Area is predominantly rural, there is an abundance of recreational and tourism opportunities available. The CKL contains 250 lakes and waterways, including 105 km of the Trent-Severn Waterway (a national historic site) these features provide an abundance of cottaging, boating, canoe and kayaking, swimming and fishing opportunities. There are 600 km of trails that are open year-round, which includes 85 km of the Victoria Rail Trail, a 54 km segment of the Trans Canada Trail known as the Kawartha Trans Canada Trail, and 4,000 ha of Municipal Forest and other additional natural areas which support outdoor pursuits including wildlife viewing and hiking opportunities.



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The community of Bobcaygeon offers an assortment of urban activities while supporting many recreational and sporting activities. Bobcaygeon is situated on Lock 32 of the Trent-Severn Waterway, and resorts and cottages are located on nearby lakes. The community offers shopping, art galleries and clubs. Recreational opportunities include tennis, curling and golfing. Within the Study Area, trails are used by hikers, snowmobilers, and ATV users.

Select culture, tourism, and recreational facilities identified along the preferred route and within the Study Area are identified in Appendix C, Figure C-1. Potential cultural heritage resources are discussed in Section 3.4.9 of the ER.

There is one cultural facility within the Study Area, Boyd Heritage Museum which is located at 21 Canal St E, Bobcaygeon, ON and has many local historical artifacts and archives from Bobcaygeon and the surrounding region.

The Supply Lateral crosses the TSW which is considered a National Historic Site of Canada and is classified as a federal property. Lock #32 is located outside of the Study Area in Bobcaygeon. A locally significant historical site, known as the Edgewood dry-stone wall at Case Manor is located in front of Case Manor on Boyd Street in Bobcaygeon. The Edgewood dry-stone wall was originally built in the 1890's was recently restored through volunteer initiatives.

The Study Area includes several campgrounds, and marinas. Emily Provincial Park is located on Emily Park Road, near the northern extent of the preliminary preferred route for the Reinforcement segment near Cowan's Bay. The provincial park offers walks along an elevated boardwalk to see wildlife and offers swimming at two sandy beaches along Pigeon River, fishing or paddling opportunities. Emily Provincial Park has a campground for overnight accommodations. The Emily Tract is an area of hiking trails located at the south end of the Study area on Arterial Road. 14, just west of Cowan's Bay and include two trail loops.

The Gaming Nature Centre are wetlands and forests which is located near the middle of the Study Area on Pigeon Lake Road. The 55-hectare property includes over 7 kms of trails and over 15 hectares of wetlands (CKL 2017).

3.4.4 Economy & Employment

The most recent economy and employment statistics available are provided in the 2016 Census of Population. Table 3.7 summarizes the unemployment rate, percentage of workforce (over the age of 15) employed at the time of the census and median total income of persons over the age of 15 (Statistics Canada, 2017a; Statistics Canada, 2017b). The unemployment rate is comparable across CKL, the Township of Cavan Monaghan, and Ontario.



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Table 3.7: Economy and Employment Statistics

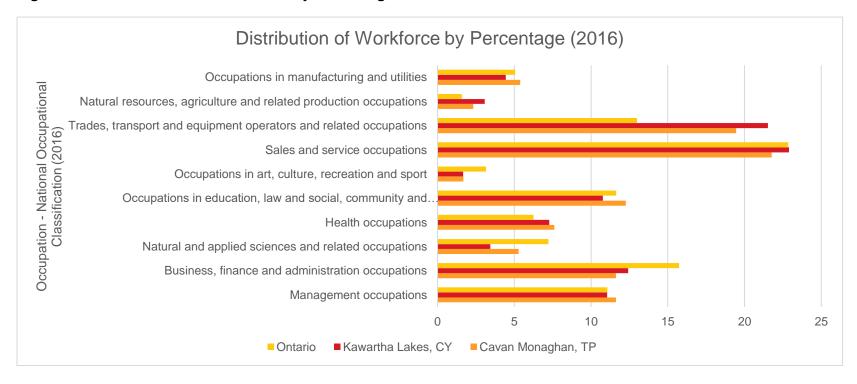
	Unemployment Rate	% in Labour Force > 15 years	Median total Income for persons > 15 years
City of Kawartha Lakes	7.7%	56%	\$32,302
Township of Cavan Monaghan	6.9%	66%	\$38,508
Ontario	7.4%	64%	\$33,539

Figure 3.1 shows the percentage of the employed population by industry in 2016 as released by Statistics Canada (2017a and 2017b). The CKL has higher employment in the retail trade compared to the province. Employment in construction is higher in CKL compared to the other municipalities and Ontario while healthcare and social assistance is higher in the CKL compared to the other municipalities and Ontario.



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Figure 3.1: Distribution of Workforce by Percentage



Source: Statistics Canada (2017a; 2017b)



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3.4.5 Landfills and Contaminated Sites

Information gathered during the site visit in 2017 indicates that there are no potential sources of contamination within the Study Area with the exception of four gasoline stations located in the Study Area:

- County Road 36 and Mill St in Bobcaygeon;
- County Road 36 and Main Street in Bobcaygeon;
- Marina St. and Peace Road in Omemee; and,
- Highway 7 near the intersection with Emily Park Road.

No other information pertaining to potential sources of contamination were readily available.

Hazardous Waste

A review of the MECP Hazardous Waste database (MECP, 2017b) identified four hazardous waste locations within the Study Area. These locations are noted in Appendix C, Figure C1.

Landfills

The locations of active and former landfill sites in the Study Area are shown in Appendix C, Figure C-1 and were identified by reviewing Official Plan maps, MECP's Waste Disposal Sites – Historical Approval Inventory (1991), and MECP's Landfill Inventory Management Ontario which includes small and large landfills (MECP, 2017c). There are two active landfills and two closed landfill located within the Study Area.

Contaminated Sites and Former Industrial Sites

The location of contaminated sites in the Study Area were identified by reviewing Official Plans maps, the MECP Brownfield's Environmental Site Registry (MECP, 2017d), the Federal Contaminated Sites Inventory accessed through the Treasury Board of Canada Secretariat's website (Treasury Board, 2017) and the MECP Waste Disposal Inventory (1991), including the Inventory for Industrial Sites Producing and Using Coal Tar and Related Tars in Ontario. Contaminated sites identified in Figure C-1 have been assessed independently and the assessment filed with the relevant governing organization. The contaminants found at any registered contaminated sites are a direct result of the previous and/or current land use.



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3.4.6 Air Quality and Noise

The landscape within the Study Area comprises agricultural land, open space or natural heritage features. Agricultural operations have the potential to expel air emissions. Although the Study Area does not have a high population density, air emissions will be released through vehicle use.

According to the Environmental Noise Guideline (MECP, 2013), the landscape within the Study Area would most likely be categorized as a Class 3 area. This means "a rural area with an acoustical environment that is dominated by natural sounds having little or no road traffic, such as a small community; agricultural area; a rural recreational area such as a cottage or a resort area; or a wilderness area." Portions of the landscape within the Study Area in proximity to town centers and sub-urban areas would be categorized as a Class 2 area. This means "an area with an acoustical environment that has qualities representative of both Class 1 and Class 3 areas" with an acoustical environmental dominated by the activities of people, usually road traffic during the day, and evening and night background sound defined by natural environment and infrequent human activity.

The area is expected to experience a low traffic volume that represents a minimal source of noise for the majority of the existing route. Other minor noise sources within the Study Area include occasional sounds due to anthropogenic agricultural activities and occasional sounds due to anthropogenic domestic activities such as property maintenance and recreation.

3.4.7 Indigenous Land Use and Traditional Knowledge

Stantec respectfully acknowledges that the Williams Treaties First Nations hold constitutionally protected harvesting rights in portions of the study area within Treaty 20. The value of traditional knowledge and oral history are acknowledged and welcomed and provide context and background to the findings of archaeological studies. We recognize that Indigenous communities have strong ties to their lands and that the use of these lands, from a development, ecosystems and sustainability perspective, is of vital importance to the communities.

During the early post-contact period the north shore of Lake Ontario was occupied by the Huron-Wendat and the Michi Saagiig Nishnaabeg (Mississauga Anishinaabeg). The Mississauga traditional homeland stretched along the north shore of Lake Ontario and its tributary rivers from present-day Gananoque in the east to Long Point on Lake Erie in the west. Michi Saagiig oral histories speak to their people being in this area of Ontario for thousands of years, and the Michi Saagiig of today are the descendants of the ancient peoples who lived in Ontario during the Archaic and Paleo-Indian periods. The Mississauga traditional territory was located between two powerful confederacies, the Three Fires Confederacy (consisting of the Odawa, Ojibwa and Pottawatomi) located to the north and west, and the Haudenosaunee (Five Nations Iroquois) Confederacy on the south shore of Lake Ontario in present-day New York State. In this geo-political context, the Mississauga acted as peacekeepers among the various Indigenous nations, acting as negotiators and emissaries (Kapyrka 2018). A copy of the document "Michi Saagiig Background – Historical Context" is located in Appendix A of the Stage 1 Archaeological Assessment, which is located in Appendix E of the ER.



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In 2018 the Williams Treaties were renegotiated, and the settlement agreement included: recognition of pre-existing treaty harvesting rights, federal and provincial apologies, financial compensation and additional reserve lands. The Study Area is located within Treaty 20 Traditional Territory.

Through consultation with Curve Lake First Nation (CLFN) it was noted that Pigeon Lake, located within the Study Area, is not only of high historical value to the members of CLFN but is also a place where inherent Rights to the landscape are practiced to this day. Jackson Creek headwaters and tributaries is another important system where CLFN members have historically harvested.

3.4.8 Land Use

The land within the Study Area primarily has a designation of a rural land use, agricultural and residential properties with some undeveloped land, and seasonal use (cottages) along the shoreline of Pigeon Lake. In addition to cottages, several marinas and resorts are located along the Pigeon Lake shoreline. The CKL Official Plan (2012) and Zoning by-law (2017-143) pertain to land within the Study Area of the Supply Lateral, the Study Area of the Reinforcement along Highway 35, Mount Horeb Road and St. Marys Road, and the Study Area of the Reinforcement south of Cowan's Bay along County Road 10 to the intersection with Hayes Line. The Township of Cavan Monaghan Official Plan (2015) and Zoning bylaw (2018-58) pertain to land within the Study Area of the Reinforcement south of Cowan's Bay from the intersection of County Road 10 and Hayes Line south to the intersection of County Road 10 and Stewart Line.

As indicated above, the Study Area is predominantly comprised of land designated as agricultural land, with scattered areas of Environmental Protection scattered throughout. These areas are typically associated with wetlands and/or creeks within the Study Area. In addition, areas designated as aggregate resources are located at various locations along Pigeon Lake Road and Peace Road.

Land Use

City of Kawartha Lakes

The Supply Lateral is primarily located within the Townships of Emily and Verulam and terminates in the Town of Bobcaygeon which are under the jurisdiction of the CKL. The CKL Land Use schedules have been prepared for each of the Cities, Villages, etc. which make up Kawartha Lakes. The Township of Bobcaygeon is a Secondary Plan to the parent Official Plan document. The Supply Lateral crosses many land use designations through the Township and Village and these include prime agricultural, rural, and highway commercial.

However, the CKL Official Plan defines Infrastructure as means physical structures that form the foundation for development. Infrastructure includes oil and gas pipelines and associated facilities.



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Part D – Infrastructure and Servicing Policies of the Official Plan (2012) which governs all lands within Kawartha Lakes jurisdiction states that Policy 28.10. Telecommunication and Utility Infrastructure:

- Council shall ensure that adequate utility networks are, or will be, established to serve the anticipated development and that these networks can be phased in a manner that is cost-effective and efficient.
- All utilities, including telecommunications, shall be planned for and installed on a coordinated and
 integrated basis in order to be more efficient, cost effective and minimize disruption. All large, aboveground utility infrastructure located and designed to be compatible with its environment.
- Council supports the coordinated planning and installation of utilities in initial common trenches, wherever feasible, to avoid unnecessary over-digging and disruption of municipal rights of way.
- Further to the Official Plan policies, Zoning By-laws have been implemented for each municipality which sets up regulations and provision for the lands with Kawartha Lakes and are set out below.

Township of Cavan Monaghan

A segment of the Eastern Reinforcement is located within the Township of Cavan Monaghan, extending along County Road 10 from Hayes Line to Stewart Line, passing through the community of Mount Pleasant and the northern end of the community of Ida. Land use designations crossed along this segment include Hamlet' in Mount Pleasant and Ida, and Natural Core Areas and Natural Linakge Areas.

According to Section 6.3.2 of the Official Plan (2015) 'Permitted Uses are "the permitted use of land in the Natural Core Areas designation Schedule A and A-1 shall include:

...d) Transportation, infrastructure and utilities but only if the need for the project has been demonstrated and there is no reasonable alternative."

Zoning By-laws

City of Kawartha Lakes

Zoning By-laws have been prepared for each settlement area within the CKL and contains the following provision as outlined below to regulate land use which the distribution pipeline section crosses.

Further to the Official Plan policies, Zoning By-law have been implemented for each municipality which sets up regulations and provision for the lands within CKL and are set out below.

Bobcaygeon Zoning By-law 2017-143 for General Policies for Infrastructure and Services is as follows:

31.3.2.8. Infrastructure and Services

31.3.2.8.1. Infrastructure and services, such as sewers, water and storm water systems, shall be provided, maintained and upgraded as necessary to accommodate the needs of future development and redevelopment in Bobcaygeon. Before a subdivision, condominium, consent or



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rezoning is approved, it must be demonstrated that there is sufficient municipal servicing to serve the proposed use.

Infrastructure is defined in the CKL Zoning By-law as physical structures which form the foundation for development and includes:

- sewage and water lines and pumping stations;
- electric power transmission lines and transformers;
- communication transmission lines and relay towers;
- transit or transportation corridors and appurtenant facilities;
- · oil and gas pipelines and appurtenant facilities; and
- recycling drop off sites.

Infrastructure does not include any related administrative facility, building or structure nor does it include land, buildings or structures for treatment of Water, sewage or wastes, production of electric power, production of communication of transmissions, or the production of oil or gas.

Village of Bobcaygeon Secondary Plan (By-law 2017-143) permits Utility use in Parks and Open Space as follows:

Parks And Open Space

- 31.3.3.5.1. The Parks and Open Space designation includes lands used for active and passive leisure activities. In addition, open spaces are intended to contribute to the environment through the provision of green space and vegetation.
- 31.3.3.5.2. The predominant use of land shall be primarily for the preservation and conservation of land and/or environment, as well as for the provision of outdoor recreational and educational opportunities, and should be managed in such a fashion as to complement adjacent land uses and protect such uses from any physical hazards.

Permitted uses include indoor and outdoor active and passive recreational uses including parks, trails, golf courses, arenas, curling rinks, sports fields and other similar uses as well as open space areas. Compatible uses, such as public and/or private utilities, environmental conservation, and community gardens may also be allowed.

- 31.3.3.5.3. The development of parks shall be subject to Sections 8 and 18.15 of the Official Plan, and 34.13 of this Plan. The following policies shall apply to the Parks and Open Space designation:
- a) Community gardens, parks, and recreation operations on lands designated Parks and Open Space should maintain the unique natural characteristics of such lands, where possible and appropriate.



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- b) Lands designated Parks and Open Space shall not contribute to problems of erosion, flooding, pollution or the deterioration of the environment.
- c) Buildings and structures shall be permitted in parks provided that they are related and accessory to the main permitted use. Structures such as those required for flood consideration, municipal services and/or utilities shall be permitted in areas designated Parks and Open Space, provided engineering studies acceptable to the City and Conservation Authority indicate that any hazard, natural or otherwise, can be overcome, or if the Conservation Authority determines that the isolated parcel of land is not hazardous. Where major physical alterations are necessary to overcome the hazards, an amendment to this Plan will be required. Where detailed investigation shows that an area is non-hazardous, and provided that the Conservation Authority confirms this in writing, then an alternative use consistent with the surrounding uses may be considered through a Zoning Bylaw Amendment.

Utilities and pipelines are permitted within any zone across the CKL. The Study Area crosses many Zones and Land Use designations however, given the provisions for permitting public uses in both zoning by-laws that were reviewed, it can be concluded that the pipeline is identified as infrastructure or oil and gas pipeline and is therefore permitted in any zone and land use designation.

Township of Cavan Monaghan

Infrastructure is described under Section 13. Definitions of the Zoning By-law (2018-53) as a "physical structure (facilities and corridors) that form the foundation for development. Infrastructure includes: sewage and water systems, septage treatment systems, waste management systems, electric power generation and transmission, communications/telecommunications, transit and transportation corridors and facilities, oil and gas pipelines and associated facilities."

All of the referenced policies can be found in Appendix H.

3.4.9 Archaeological Resources

A Stage 1 AA was completed for the proposed Project in 2006 and can be found in Appendix E; Jacques Whitford 2006). In 2017 correspondence the MHSTCI, requested that mapping shown in Figure 4.1 of the report be revised to indicate that a Stage 2 AA will be required within the limits of the Community of Bobcaygeon, including around both the Big Bob and Little Bob channels of the Bobcaygeon River (see Appendix E). Additionally, Stantec completed a Stage 1 AA for a proposed pipeline to service the community of Fenelon Falls that assessed a portion of the current Western Reinforcement Study Area along Highway 35 (Stantec 2016) and the Eastern Reinforcement Study Area, and a Stage 1 AA was completed within 100 m of the Supply Lateral to accommodate potential TWS.

The completed Stage 1 AA reports can be found in Appendix E.

The MHSTCI also requested that site data be updated once the Stage 2 AA is completed.



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Existing Conditions

The assessment of archaeological potential for the Study Area considered both prehistoric and historic period resources. Archaeological potential modeling for prehistoric era sites is based largely on the identification of landscape features which are either known to have attracted past habitation or land use, or which appear to have potential for attracting human use. These features include: navigable rivers and lakes; confluences of watercourses; smaller sources of potable water; ridges or knolls that overlook areas of resource potential; outcrops of high-quality stone for tool making; and, most importantly, combinations of these features. In general it has been demonstrated that areas within 200-300 m of watercourses, or other significant bodies of water (ASI 1990; Cox 1989), and in particular those areas with multiple water sources (Young et al. 1995), are considered to be of elevated archaeological potential.

Pre-contact Resources

At present there are three registered pre-contact period archaeological sites within 1 kilometre the project route (see Appendix E). All of these sites are located along the shore of Pigeon Lake, to the east of the project route. There are also several precontract sites documented on Boyd Island (also known as Big Island) in Pigeon Lake, which further attest to the use of the general Study Area, particularly during the Woodland period. Two of the sites have been indicated as having no further cultural heritage value or interest, having been sufficiently documented at either Stage 2 or 3 (MHSTCI 2021).

The Kawartha Lakes are part of an important prehistoric travel route between Lake Ontario and Lake Simcoe and then to Georgian Bay. The relatively few registered sites in the general project area should be understood to be the result of a limited level of archaeological research, rather than an actual lack of prehistoric land use. Two registered sites indicate that the focus of activities was on the margins of the lakes and their connecting watercourses, and the margins of wetlands, where there would have been an abundance of animal and plant resources. Other sites in the general area also indicate that the tops of drumlins and drumlinised hills were also attractive locations for habitation sites.

Historic Resources

At present there are no registered historic period archaeological sites within 1 kilometre of the project route (Table 1; Government of Ontario 2021). There is one 19th century farmstead site located to the west of the project route and two sites located on Boyd Island.

There are only a small number of maps which indicate the location of 19th century buildings in the Victoria County portion of the proposed project. The most detailed of these maps is the 1877 map published by Tom Kains (Kains 1877). Although the available version of the map is of variable quality there are a number of homesteads, many with associated orchards, indicated along the preferred route. It appears that all of the homestead sites are removed from the present-day road allowance. The other source of building location information for Victoria County is the Belden atlas published as a supplement to the Dominion Atlas of 1881 (Belden 1881). The historical atlases produced between 1875 and 1880 identified landowners and their primary residence buildings on the township maps. However, later in 1880 and afterwards, new county maps were produced as a supplement to the Dominion atlas, and only



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subscribers to the atlas were identified on the various township maps. Thus, the maps for the townships in Victoria County identify only public buildings, a limited number of private landowners, and accounts for the difference in the number of residences identified along the preferred route.

The portions of the Study Area within Cavan and Manvers townships in former Durham County are well documented in the Tremaine (1861) map and the Belden (1879) Historical Atlas of Northumberland and Durham Counties.

The portion of the Study Area within Harvey Township, former County of Peterborough, is not well documented in historical mapping.

3.4.10 Heritage Resources and Cultural Heritage Landscapes

The MHSTCI Checklist (Appendix F) has been completed for the Study Area through background research, agency and municipal consultation and review of historic mapping. The desktop assessment identified potential cultural heritage value for the Study Area, and a CHECPIA has been recommended.

3.4.11 Indigenous Interests

The Project does not intersect any First Nation reserve land; however the Project is located within the Williams Treaties traditional area, and specifically within Treaty 20 Traditional Territory. The most proximate reserve community is CLFN No. 35 which is located 9 km east of the proposed route. A number of communities expressed interest and/or participation in the archaeological assessment and in environmental components of the proposed project.

3.4.12 Infrastructure

Infrastructure identified for the purpose of this Project includes roads, the TSW, utility transmission corridors, and other utilities. A map of infrastructure developed from existing databases is shown in Appendix C, Figures C-1. Other utilities such as water and communication lines that may exist within the road allowances are not illustrated on the map.

Roads

A network of roads cover the entire Study Area and is maintained by the CKL and the Township of Cavan Monaghan. The PPR and alternative routes for the Supply Lateral and the Reinforcement are located entirely within the road allowances of Centreline Road, Pigeon Lake Road, County Road 36, County Road 10, Mount Horeb Road, St Marys Road and Highway 35. These roads are all two-laned paved roads, which are mainly used by the neighbouring agricultural community, the community of Bobcaygeon and seasonal residents on Pigeon Lake. Traffic along these roads is mainly comprised of agricultural related vehicles automobile and heavy truck traffic. County Road 36 is the main connector between Lindsay and the community of Bobcaygeon and Highway 35 connects Highway 7 south of Lindsay running north-south, to Highway 7A which runs west-east. Traffic along County Road 36 and Highway 35



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consists of a mix of automobile and heavy truck traffic. In particular truck traffic is heightened due to the presence of the numerous open pit/quarries, which are found throughout the City of Kawartha Lakes.

Hydrocarbon Facilities and Buried Pipelines

Enbridge has existing natural gas pipelines within the CKL. A review of the CKL Official Plan (Schedule B-5) and Ontario Oil, Gas and Salt Resources Library (MNDMNRF, 2014) identified no petroleum wells within the Study Area.

Railways

There are no railway easements located in the Study Area.

Utility Transmission Corridors

Existing Hydro One high-voltage transmission facilities are present in the southern extent of the Study Area, near the intersection of County Road 10 and Stewart Line. Distribution lines are located in road allowances throughout the Study Area.

Utilities

A variety of buried and overhead utilities (e.g., telephone, low-voltage hydroelectric, fiber optic, watermains) are located in road allowances throughout Study Area.



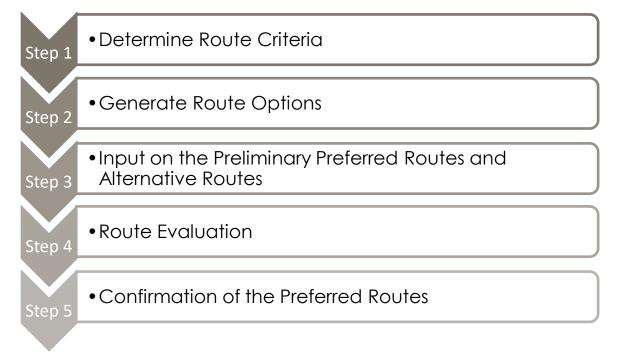
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4.0 ROUTE EVALUATION AND PREFERRED ROUTE SELECTION

4.1 THE PROCESS

The route evaluation process was undertaken as per the *OEB Environmental Guidelines* (2016), which identify the environmental and socio-economic features to take into consideration and the principles to be considered during the route evaluation. The preferred routes for the proposed Project were confirmed through a five-step process, as illustrated in Figure 4.1.

Figure 4.1: Route Evaluation Methodology



4.2 STUDY AREA

The Study Area used for the route evaluation process is depicted on Figure A-1 (Appendix A).

The Study Area encompass an area of approximately 12,925.7 hectares (ha) and includes lands within the Municipality of Cavan-Monoghan and the CKL. The Study Area is considered the area within which direct interactions with the natural environment could occur and allow for a reasonable number of alternative routes to be considered. Alternative routes were considered to be located within the existing municipal road allowance. As such, the Study Area was established extending 1km on either side of the alternative routes. It is within this area that desktop information on socio-economic and environmental features has been collected for the purpose of assessing the potential impacts of the Project.



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The Supply Lateral component of the Project includes the community of Bobcaygeon at the north end, with the remainder of the Study Area considered rural in nature consisting of agricultural land with numerous seasonal residences and cottages along the shores of Pigeon Lake. The Study Area also includes the Bobcaygeon River, which is part of the Trent Severn River system in the community of Bobcaygeon.

The Eastern Reinforcement component of the Project includes Emily Park Road to just south of Stewart Line. The Western Reinforcement component of the Project includes a segment of Highway 35 from Mount Horeb Road to Bethany Hills Road and from Mount Horeb Road to the intersection with St Mary's Road to Bethany Hills Road. The Study Area also includes Pigeon River in the community of Cowan's Bay and south of the community of Mount Horeb.

4.3 STEP 1: DETERMINE ROUTE CRITERIA

4.3.1 Routing Objectives

The routing methodology is influenced by Enbridge's preference to utilize existing municipal road allowance to locate the proposed pipelines (Appendix A, Figure A-2). Stantec's role was to determine through qualitative and quantitative assessment the preferred routes for the proposed pipeline segments from an environmental and socio-economic perspective.

The process of developing alternative routes commenced with the identification of routing objectives. These include:

- 1. Routes should follow a reasonably direct path between end-points, thus reducing length as well as potential for environmental and socio-economic effect.
- 2. Routes should avoid sensitive environmental and socio-economic features to the extent possible; where they cannot be avoided routes should be located to reduce effects.
- If road allowance cannot be followed, existing linear infrastructure should be utilized to the greatest extent possible in order to reduce effects to previously undisturbed land and/or constrain future land development.
- 4. Where new easements are required, existing lot/property lines should be followed to the extent possible within the Study Area.

4.3.2 Environmental and Socio-Economic Opportunities and Constraints

The route selection process was completed with consideration of the *OEB Environmental Guidelines* (2016). Chapter 4 of the *OEB Environmental Guidelines* (2016), 'Route or Site Selection', outlines the environmental and socio-economic features that should be considered during route evaluation.

A geographical information system (GIS)-based environmental inventory was compiled to identify existing features in the Study Area. Once the inventory was complete, Stantec classified the features as either pipeline routing constraints or opportunities.



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Environmental constraints are existing features that meet the following criteria:

- The feature would require site-specific mitigation measures to reduce potential effects.
- The feature has been selected or designated for protection (e.g., wetlands).
- The feature has been recognized through local, regional, provincial, or federal policy, plan, or statute, or is otherwise valued as an environmental or socio-economic resource.

Environmental opportunities are existing features, such as road allowance, property lines or existing linear infrastructure, which provide a suitable location for the alignment of a pipeline.

Existing features were identified using relevant published literature, maps and digital data, and discussions with agencies and municipalities and were confirmed through field visits. The location and extent of environmental and socio-economic features are outlined in Section 3 of this ER and illustrated in Appendix C, Figure C-1, C-2, and C-3.

4.4 STEP 2: GENERATE ROUTE ALTERNATIVES

Route alternatives were generated based on the existing natural gas infrastructure, and careful consideration of the routing objectives, the Study Area, and environmental and socio-economic constraints and opportunities identified in Step 1. Alternative route generation was conducted by staff from Stantec and Enbridge using aerial photography interpretation and mapping of existing environmental and socio-economic constraints and opportunities. Alternative routes developed for the proposed pipeline are illustrated on Appendix A, Figure A-2.

For the Supply Lateral, Enbridge's existing infrastructure allows for a potential starting point in Cowan's Bay at the south end of Pigeon Lake along Peace Road. The location of this potential starting point allowed for two alternatives, each of these alternatives connects with a common termination point in the community of Bobcaygeon. The following is a description of these two route alternatives, referred to as BCA and BCB, both alternatives commence at existing Enbridge infrastructure:

- Alternative BCA commences at Cowan's Bay along Peace Road. This route travels west on Peace
 Road and north along Centreline Road to Tracey Hill Road (route segment BCA1), continuing north
 along Centreline Road and east on Pigeon Lake Road to Cork Road (BCA2). From here the route
 continues east along Pigeon Lake Road terminating north of the Trent Severn River in the community
 of Bobcaygeon (BCA3).
- Alternative BCB commences at Cowan's Bay along Peace Road. This route travels west on Peace
 Road and north along Centreline Road (BCA1), then east at Traceys Hill Road, north on Eagle Road,
 east on St. Lukes Road and north on Cork Road to Pigeon Lake Road (route segment BCB1). From
 this point on, the route is identical to Route BCA and terminates north of the Trent Severn River in the
 community of Bobcaygeon (route segment BCA3).



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Portions of route alternatives BCA and BCB share common route segments, these common segments were removed from the evaluation process, including the following:

- Cowan's Bay to the intersection of Centreline Road and Traceys Hill Road (BCA1); and
- Intersection of Cork Road and Pigeon Lake Road to the termination point north of the Trent Severn River in the community of Bobcaygeon (BCA3).

For the Western Reinforcement component Enbridge's existing infrastructure allowed for two alternatives, each alternative connects with a common point along Highway 35 at the intersection of Mount Horeb Road and Highway 35.

- Alternative BCD1 commences at Bethany Hills Road and travels north along Highway 35 to the termination point at Mount Horeb Road.
- Alternative BCE1 commences at the intersection of Bethany Hills Road and St. Mary's Road. This
 route travels north on St. Mary's Road to Mount Horeb Road then west on Mount Horeb Road to its
 termination point at Highway 35.

For the Eastern Reinforcement component (from Peace Road to Stewart Line along County Road 10) Enbridge's existing infrastructure does not allow for reasonable alternatives and as such a routing analysis for this section was not completed.

4.5 STEP 3: ROUTE EVALUATION

4.5.1 Evaluation Methodology

The Supply Lateral route alternatives (BCA and BCB) and the Western Reinforcement route alternatives (BCD1 and BCE1) were comparatively evaluated to predict the potential environmental and socioeconomic effects of constructing and operating each alternative route and to determine which routes were preferred from an environmental and socio-economic perspective.

The alternative routes were evaluated by identifying environmental and socio-economic features adjacent to the road allowance for each route segment. Environmental and socio-economic categories of assessed features, listed alphabetically, include:

- Agricultural: Length of Prime Agricultural Land and Artificial Agricultural Drainage traversed. While
 the pipeline will be largely constructed within the road allowance there may be instances where TWS
 may affect agricultural land adjacent to the road allowance.
- Aquatic: Number of Watercourse Crossings.
- **Community Heritage and Archaeology**: Potential Cultural Heritage Resources within 50 m of the road allowance, Potential for Archaeological Resources and Areas of Archaeological Potential.
- Groundwater Resources: Number of Water Wells (i.e., domestic and livestock wells) within 100 m of the road allowance.
- Route Length: Length (m).



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- **Socio-Economic**: Number of Residents and Businesses fronting both sides of the road and/or within 100 m of the road allowance, and Infrastructure traversed.
- **Terrestrial**: Potential for Species at Risk (SAR) and their Habitats, and Designated Natural Areas (areas regulated by KCA e.g., Wetlands, Woodlots) within 30 m on both sides of the road.

As previously discussed, the two route alternatives for the Supply Lateral share common route segments of BCA1 and BCA3, and as such portions of these route segments were not included in the routing evaluation.

The buffers and setbacks considered were based on known impacts of pipeline construction activities within road allowance, professional judgment and the likelihood of the Project to potential impact these features.

4.5.2 Route Length

Comparing the total length of alternative routes is appropriate as a scoping tool that yields a measurement relating to total disturbed area (Table 4.1). Typically, shorter routes have less opportunity for disturbances. The following table compares the route lengths of the various route alternatives for Segments 1 and 2.

Table 4.1: Route Length Summary Table

Alternative Route	Route Segments	Route Length (Km)			
	Supply Lateral				
BCA	BCA2	4.5			
ВСВ	BCB1	4.7			
	Western Reinforcement Section				
BCD1	BCD1	5.7			
BCE1	BCE1	9.0			

NOTE: Bolded numbers indicate the preferred option.

The distances of both alternative routes are very close in total length, however, alternative BCA2 is 200 m shorter than BCB1.

For the reinforcement section, BCD1 is notably shorter and is therefore the preferred route.

4.5.3 Agricultural

The soils in the Study Area are classified by the Canadian Land Inventory (CLI) as predominantly Class 1 for their excellent capability for agriculture. Class 1 soils have no significant limitations in use for crops. Soils on sloping drumlins and eskers are rated between Classes 3-6. Small areas of Class 0 (organic) and Class 2 materials are also found within the Study Area of all Segments.



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Table 4.2: Agricultural Summary Table

Alternative Route	Route Segments	Prime Agricultural Land Crossed (km)	
	Supply Lateral		
BCA	BCA2	0.06	
BCB	BCB1	2.5	
	Western Reinforcement Section		
BCD1	BCD1	4.2	
BCE1	BCE1	7.5	

NOTE: Bolded numbers indicate the preferred option.

There is less area of prime agricultural lands located along alternatives BCA2 and BCD1 which result in less potential impact to prime agricultural land. Due to lower quality soils and residences located along Centreline Road and along St. Mary's Road, alternative BCA2 and BCD1, respectively, cross less area of prime agricultural land. While the TWS may need to include segments of agricultural land, the Project will be located within existing road allowances, and neither of the alternative routes will have a significant impact on prime agricultural lands.

4.5.4 Aquatic Characteristics

Reducing the number of watercourse/waterbody crossings along the preferred route reduces the potential impact of pipeline construction on watercourse features. The number of watercourses/waterbodies were compared along the route alternatives. Locations of the watercourse/waterbody crossings are depicted in Appendix C, Figure C-3. A summary of the alternative route comparison is provided in Table 4.3 below.

Table 4.3: Aquatic Summary Table

Alternative Route	Route Segments	Watercourses (#)			
	Supply Lateral				
BCA	BCA2	4			
ВСВ	BCB1	2			
	Western Reinforcement Section				
BCD1	BCD1	4			
BCE1	BCE1	4			

NOTE: Bolded numbers indicate the preferred option.

BCB1 crosses two watercourses while BCA2 crosses four watercourses. For the Western Reinforcement section, both BCD1 and BCE1 cross 4 watercourses.



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4.5.5 Groundwater Resources

Given the rural nature of the Study Area outside of the community of Bobcaygeon, it is presumed that rural properties use water wells for domestic purposes (e.g., watering livestock or irrigation of gardens). The number of water wells within 100 m of the route was determined using data provided by the MECP. The 100 m buffer was used as this is considered a maximum zone of influence from construction dewatering and possible blasting activities that could potentially impact water wells. Impacts to water wells beyond this distance are not anticipated. Table 4.4 provides a comparison of the number of groundwater wells within 100 m of each of the alternatives. Locations of water wells are shown in Appendix C, Figure C1.

Table 4.4: Groundwater Summary Table

Alternative Route	Route Segments	Water Wells Within 100m (#)			
	Supply Lateral				
BCA	BCA2	8			
ВСВ	BCB1	3			
	Western Reinforcement Section				
BCD1	BCD1	11			
BCE1	BCE1	8			

NOTE: Bolded numbers indicate the preferred option.

All of the identified wells within 100 m of both alternatives are for domestic use. Alternative BCA has 8 domestic water wells within 100 m as opposed to 3 wells in alternative BCB. For the reinforcement section less wells are located within 100m for alternative BCE1.

4.5.6 Terrestrial Characteristics

A desktop and windshield survey was conducted on the alternative routes to assess the potential for encountering SAR or their habitats along the alternate routes.

Table 4.5: Terrestrial Characteristics Summary Table

Alternate Route	Route Segments	Wetlands (m)	Woodlots (m)	Regulated Areas (m)	ESAs (m)	Total (m)
		Supply Latera	al			
BCA	BCA2	1531.9	2467.2	3398.2	683.1	8080.4
ВСВ	BCB1	1327.7	358.1	1746.9	735.6	4168.3
	Weste	rn Reinforceme	nt Section			
BCD1	BCD1	580	0	3913	0	4493
BCE1	BCE1	2861	818	5075	0	8754

NOTE: Bolded numbers indicate the preferred option.



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Both alternatives are adjacent to portions of wetland, woodlot, and CA regulated lands. Alternative BCA is adjacent to the fewest Environmentally Sensitive Areas (ESAs), while BCB adjacent to the fewest CA regulated areas, Significant Woodlots and wetlands. For the reinforcement section, BCD1 traverses the least amount of wetlands, woodlots and CA regulated areas. As the pipeline is proposed to be within existing municipal RoW, impacts to the features noted in Table 4.5 are not anticipated.

4.5.7 Socio-Economic Characteristics

The alternative routes were evaluated from a socio-economic perspective based on their potential to impact residents and businesses and existing infrastructure.

4.5.7.1 Residents and Businesses

To assess the alternative routes with respect to reducing the socio-economic effects, the number of residences and/or commercial businesses within 100 m of both sides of the road allowance were counted and compared (see Table 4.6), The number of residences and businesses within 100 m of each alternative route was determined through aerial imagery interpretation and the windshield survey. A 100 m buffer was chosen as these residences/businesses would be the entities that would be most impacted by construction nuisances (e.g., dust, noise and traffic).

While the Project is planned to be within the existing municipal RoW, there is potential that TWS will be required outside of the municipal RoW. Property parcel information was reviewed for each property along the preliminary preferred route and alternative routes. The total number of private roads and/or easements are noted in Table 4.6 below.

Table 4.6: Residents/Businesses Summary Table

Alternative Route	Route Segments	Number of Residences / Businesses within 100 m of the road allowance	Number of Private Roads/Easements		
	S	upply Lateral			
BCA	BCA2	20	0		
BCB	BCB1	14	6		
	Western Reinforcement Section				
BCD1	BCD1	15	0		
BCE1	BCE1	20	1		

NOTE: Bolded numbers indicate the preferred option.



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From a number of total residences perspective, alternative BCB1 is preferred as there are fewer homes that could be impacted due nuisances from construction. However, both BCA2 and BCB1 traverse areas that are rural in nature and are mainly comprised of agricultural land uses. BCB1 follows a less travelled road network as compared to Centreline Road. Therefore, the potential to impact traffic is significantly less along BCB1. In addition, there are fewer residences along BCB1 as compared to BCA2. BCB1 is positive for nuisance and traffic related impacts. However, BCA2 is considered better in terms of customer attachment potential.

Private roads and/or easements are located adjacent to both alternative BCB1 and alternative BCE1. Therefore alternatives BCA2 and BCD1 are preferred as it is anticipated that there will be no impacts to private roads and/or easements along these alternatives. Furthermore, it is Enbridge's preference to work within the municipal road allowance wherever possible.

4.5.7.2 Infrastructure

The alternative routes cross existing linear facilities including roads; however, there are no oil and gas pipelines or electrical transmission lines that are traversed by any of the route alternatives. The table below compares potential infrastructure impacts for each alternative route.

Table 4.7: Infrastructure Summary Table

Alternate Route	Route Segments	Roads Traversed	Electrical Transmission Lines Traversed	Railway Crossings
		Supply Lateral		
BCA	BCA2	3	0	0
BCB	BCB1	5	0	0
Western Reinforcement Section				
BCD1	BCD1	3	0	0
BCE1	BCE1	6	0	0

NOTE: Bolded numbers indicate the preferred option.

There is no significant difference in potential impacts to infrastructure between BCA2 and BCB1 and between BCD1 and BCE1. However, BCA2 and BCD1 have the fewest road crossings and also offer adequate working space for construction.

4.5.8 Community Heritage and Archaeology

Generally, archaeological potential for pre-contact Aboriginal, post-contact Aboriginal sites and historic Euro-Canadian sites exists along all alternative routes. Some portions of the alternative routes may have had their archaeological potential removed as a result of previous disturbance, for example during the construction of roads, residences etc.; however, generally the alternative routes are located within areas that exhibit moderate to high archaeological potential.



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In summary, the Stage 1 archaeological assessment (AA) determined that the Project routing retains potential for the identification and recovery of archaeological resources. In terms of cultural heritage resources, each alternative may have the potential to impact heritage features; therefore, no further analysis was completed as all identified alternatives have moderate to high potential to impact heritage features.

4.5.9 Discussion of Assessment

A review of potential impacts along the alternative routes was conducted on seven categories of environmental and socio-economic features. Each alternative route was ranked for the features assessed. The rankings were then totaled, with the lowest number ranked as 1 (has the least potential impact) and highest number ranked as a 2. Tables 4.8 to 4.9 show the results of the evaluation for the two alternative routes (BCA and BCB).

Table 4.8: Assessment Summary Table - Supply Lateral

Evaluation Feature	Ranking of Alternate BCA	Ranking of Alternate BCB
Route length	1	2
Agricultural Land	1	2
Aquatic Characteristics	2	1
Groundwater	2	1
Terrestrial Characteristics	2	1
Residents/Businesses	1	2
Infrastructure	1	2
TOTALS	10	11

NOTE: Bolded numbers indicate the preferred option.

Based on the above rankings, alternative routes BCA and BCB are not significantly different from the perspective of potential environmental or socio-economic impacts. BCA follows a much more direct alignment with less bends and turns and, as a result, is considered the preferred alternative from a constructability perspective. In addition, as noted earlier, BCA offers a greater potential for customer attachments and would not require additional easements.



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Table 4.9: Assessment Summary Table - Western Reinforcement Section

Evaluation Feature	Ranking of Alternate BCD1	Ranking of Alternate BCE1
Route length	1	2
Agricultural Land	1	2
Aquatic Characteristics	1	1
Groundwater	2	1
Terrestrial Characteristics	1	2
Residents/Businesses	1	2
Infrastructure	1	2
TOTALS	8	12

NOTE: Bolded numbers indicate the preferred option.

Based on the above rankings, alternative route BCD1 for the Western Reinforcement section is significantly better from the perspective of potential environmental or socio-economic impacts.

4.6 STEP 4: INPUT ON THE PRELIMINARY PREFERRED ROUTE

The PPR and alternative routes for both the Supply Lateral and Reinforcement components were shown during the Virtual Open House and communicated to stakeholders through emails notices. No concerns were noted with the preliminary preferred route for the Supply Lateral or the Reinforcement segment south of Cowan's Bay. For the Western Reinforcement section two comments were received as follows:

The Ministry of Transportation (MTO) noted there is a potential to expand Highway 35 in the future.
As such, the MTO is concerned that should Enbridge construct their pipeline along this route, the
pipeline would need to be relocated in the future to accommodate the expansion of Highway 35.
Therefore, the MTO preference was that Enbridge follow alternative BCE1.

A private landowner located along St. Mary's Road indicated that their family had established spruce wind breaks, now 28 years old, along the east and west sides of St Mary's Road. These wind breaks protect against snow drifting and protect exposed soils in the summer from wind erosion. The preferred alternative identified by this landowner was BCD1. Private road and/or easements are located along alterative segments BCE1 and BCB1. To reduce potential impacts to private landowners, the preferred alternatives are those that do not impact these private roads and/or easements. Enbridge prefers to work within the municipal road allowances, therefore the preferred alternative segment for the Supply Lateral would therefore be BCA2 and the preferred alternative segment for the Western Reinforcement would be BCD1.

As noted in Table 4.1 through Table 4.7, alternative segment BCA is shorter in length, crosses the least amount of prime agricultural land, there are no private roads and/or easements adjacent to the BCA, and BCA traverses fewer municipal roads compared to the BCB alternative segment. There are no private roads and/or easements adjacent to BCA, while 6 private roads and/or easements are adjacent to BCB.



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Alternative segment BCD1 is preferable over alternative segment BCE1 in all categories assessed except for the number of water wells within 100 m of the alternative segments, and even in this case the total water wells for each were comparable (11 water wells within 100 m of BCD1, and 8 water wells within 100 m of BCE1). There are no private roads and/or easements adjacent to BCD1, while there is 1 private road and/or easement adjacent to BCE1.

4.7 STEP 5: CONFIRMATION OF THE PREFERRED ROUTE

Following the comparative evaluation (Section 4.5), and based on input received (Section 4.6), the PPR for both the Supply Lateral and Western Reinforcement components were confirmed as the preferred route. The location of the preferred route is shown in Appendix A, Figure A-3.

The preferred routes are currently illustrated within a general location of existing road allowance (Figure A-3, Appendix A). Detailed design will be undertaken by Enbridge to determine the exact location of the pipeline within the road allowance. Detailed design will also be influenced by supplemental studies (e.g., geotechnical investigations) and site-specific requests from landowners and agencies. This information will be used to locate the pipeline to further reduce environmental and socio-economic impacts. Enbridge has also committed to further consulting with the MTO to address their concerns about the location of the alternative with the Highway 35 corridor. Enbridge also commits to refining the method of installation of the proposed pipeline through natural areas during detailed design, to reduce the disturbance area to the extent possible (see Section 4.3 of the ER for more details). Additional information on the detailed design will be provided in the LTC application to the OEB.



Potential Impacts and Recommended Mitigation and Protective Measures March 3, 2022

5.0 POTENTIAL IMPACTS AND RECOMMENDED MITIGATION AND PROTECTIVE MEASURES

Table 5.1 provides a summary of the recommended supplemental studies, mitigation and protective measures identified in Sections 3.2-3.4.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
PHYSICAL FEATURES			
Bedrock Geology and Drift Thickness Section 3.2.1	Bedrock may be encountered during HDD and trenching at the northern extent of the route or for crossing locations where Horizontal Direction Drilling (HDD) is utilized. Open Cut If bedrock is encountered during trenching, a hoe-ram will break up the rock to the required trench depth and width. Blasting may also be used to excavate through rock where necessary. Where hoe-ram and blasting are used to excavate bedrock material, potential impacts may include fly rock damage, increased noise, blasting vibration, increase in water turbidity and potential disturbance to fisheries, nearby wells, and structural foundations. Horizontal Directional Drilling There is a potential to encounter cobbles and boulders in the overburden soils along the entire alignment. However, areas with shallow bedrock have a higher potential in this regard. The presence of cobbles and boulders can pose difficulties for HDD installation. Difficulties such as skipping of the bit, obstruction of the bit and pipe damage should be anticipated. For watercourse crossings, there is also the potential for hydro-fracture and blowout as well as inadvertent release of drilling fluids to watercourses during typical HDD operations. All rock formations in Southern Ontario are known to possess high in situ horizontal stresses and time dependent swelling potential. The resulting phenomenon is often referred to as "rock squeeze" and can adversely impact infrastructure installed in the rock.	 Where excavations of the trench occur in immediate proximity to the roads or road embankments and there exists potential to disturb/damage the road and existing infrastructure, the use of a temporary shoring system such as trench boxes (or a more rigorous shoring system for deeper sections) should be implemented. The trench box system should be designed in accordance with the methods described in the Canadian Foundation Engineering Manual (2006 edition). If excavations exceed 1.5 m depth, a trench box design will be required. The trench box design (or any alternative shoring design) should be carried out by a Professional Engineer retained by the Contractor, licensed to practice in the Province of Ontario, with signed and sealed drawings will be available prior to commencement of the open cut excavations. The open cut excavations must be conducted in accordance with the requirements of the Occupational Health and Safety Act and Regulations. Major road crossings may require specific geotechnical investigations tailored to meet the requirements of the owners (e.g., CKL). If HDD is used, pressure relief pits can be considered for implementation in the design on either side of water crossings to dissipate high fluid pressures that may develop during drilling. Potential presence of weathered zones, soil seams and/or shale interbeds within the bedrock should be considered in the design to address impacts to bedrock. The over-drill typically used for HDD installation should be sufficient to address any rock squeeze that may occur. The HDD crossings will be designed and approved by a professional engineer and carried out by a specialty crew. The installation procedures must conform to all relevant Ontario Provincial Standard Specifications. If blasting is required, Enbridge should consider implementing a pre/post blasting well monitoring program. It is essential that blasting be planned well in advance, notification be given to nearby land	With the implementation of the mitigation and protective measures, no significant adverse residual impacts as a result of bedrock removal are anticipated.
Physiography & Surficial Geology Section 3.2.2	Due to the undulating topography and presence of coarser textured soils, there are potential erosion impacts to surficial deposits that may result in surface soil erosion, trench slumping and/or watercourse sedimentation during construction and post-construction.	Slope stabilization and erosion controls for slopes should be installed, particularly in those areas proximal to watercourses, waterbodies, Pigeon Lake or other drainage features. In addition to mitigation measures outlined in Enbridge Construction and Maintenance Manual (October 27, 2021) standard erosion and sediment control measures are discussed in row "Soil and Soil Capability Section 3.2.5", and erosion and sediment controls specific to protecting watercourses, etc. from sedimentation resulting from rainfall events during construction are discussed in "Aquatic Species and Habitat Section 3.3.1".	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on or from physiography and surficial geology are anticipated.
Groundwater	Hydrostatic Testing and Dewatering	Hydrostatic Testing and Dewatering/Sand-pointing	With the implementation of the
Section 3.2.3	The proposed pipeline will be hydrostatically tested before commissioning. Select sections of pipeline may also be pre-tested, such as at road crossings. Water required for the testing may be obtained from a municipal or natural source. Where trenches encounter a high-water table, removing water from the trench (known as dewatering) may be necessary.	The Environmental Activity and Sector Registry (EASR) Regulation allows registration under the EASR for construction dewatering projects where takings will be less than 400,000 L/day. Should groundwater takings exceed 400,000 L/day, a PTTW would be required from the MECP. Both an EASR registration or PTTW application would include an assessment of the capacity of the source to provide the required water without impacting the ecosystem, and recommendations for mitigation measures such as screened water intakes to limit intake of debris and organisms. For water takings from a natural water source, an assessment of the capacity of the source to	mitigation and protective measures, no significant adverse residual impacts on groundwater are anticipated.
	When hydrostatic testing is complete, and during trench dewatering, discharge water may be released to the environment. An uncontrolled discharge of water could cause downstream flooding, erosion or sedimentation. Other potential effects associated with uncontrolled discharge may include introduction of	provide the required water, without impacting the ecosystem, should be conducted. To reduce the potential for erosion and scouring at discharge locations, energy dissipation techniques should be used. Discharge piping should be free of leaks and should be properly	



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
	foreign aquatic organisms to a drainage basin and introduction of hazardous materials or pollutants to soils or bodies of water. Private Water Wells There are approximately 1246 MECP WWR within 500 m of the proposed pipeline route. The MECP WWR indicate numerous records for wells located near or within the town of Bobcaygeon or Victoria Place, which are serviced by municipal supply, and these residences may be supplied by the municipal	anchored to prevent bouncing or snaking during surging. Protective measures may include dewatering at low velocities, dissipating water energy by discharging into a filter bag or equivalent, and utilizing protective riprap or equivalent. If energy dissipation measures are found to be inadequate, the rate of dewatering should be reduced or dewatering discontinued until satisfactory mitigation measures are in place. Discharge should be monitored to make sure that no erosion or flooding occurs. To assess the potential for introduction of contaminated water to soils or bodies of water, testing	
	systems. Approximately 338 MECP WWRs are located within 100 m of the proposed pipeline route. These records include 35 non-domestic well types such as pumping wells, monitoring wells and well abandonment records. The remaining 303 WWR are listed as water supply wells for domestic, livestock, or	of hydrostatic and trench dewatering discharge water should be considered. Testing requirements can be influenced by the nature and quality of the source water used, any additives to the test water, the nature of the pipeline, and pipeline contents. Consultant subject experts should be consulted to determine what testing is necessary for the discharge water.	
	commercial use, with 3 WWR listed as public which are interpreted to be for parks and/or domestic. Depending on the proximity to these wells, the depth of the well installation and	Before the withdrawal of water from a municipal source, the municipality should be contacted to confirm the maximum rate of withdrawal. An MECP approved licensed waste hauler may be utilized for disposal of hydrostatic test water.	
	the groundwater levels encountered during excavation, trench dewatering may impact water well quality or quantity at some of the nearby private wells. Blasting vibration, if required, may result in disturbance or damage to nearby water wells. If HDD activities are required, there is the potential for hydro-fracture and blowout as well as inadvertent release of drilling fluids to watercourses during typical HDD operations. The drilling fluid could impact private water wells. Municipal Water Supply	Private Water Wells A private well survey should take place to assess domestic groundwater use near the preferred route and a private well monitoring program may be recommended for residents who rely on groundwater supply for domestic use. The private well monitoring program may consist of sampling to document pre-construction conditions. Should a private water well be affected by project construction, a potable water supply should be provided and the water well should be repaired or restored as required.	
	The preferred route extends through the WHPA-D of the Victoria Place Groundwater Supply System and extend through IPZ-3 of the Bobcaygeon Surface Water Supply System. The Western Reinforcement extends through WHPA-A, -B, -C, -D, -E (GUDI) along a short section of road near the wellhead. The proposed construction and operation of the pipeline is not anticipated to result in significant chemical, pathogen or dense non-aqueous phase liquids source water threats to municipal supply sources as defined under the <i>Clean Water Act</i> (MECP, 2006).	 Municipal Water Supply During construction, the primary concern to surface water and shallow groundwater quality is the potential for a contaminant spill. To address this concern, the following mitigation measures are proposed: Refueling of equipment should be undertaken 100 m from wetland areas and watercourses identified during field surveys to reduce potential impacts to surface water in the event that an accidental spill occurs. If a 100 m refueling distance is not possible, under approval from on-site environmental personnel and if approved by permit conditions, special refueling procedures for sensitive areas should be undertaken that include, at a minimum, using a two person refueling system with one worker at each end of the hose and secondary containment, as needed. To reduce the impact of potential contaminant spills, the contractor should implement management protocols such as secondary containment of any temporary fuel storage and preparation of a spill response plan. Work should be limited or stopped during and immediately following significant precipitation events (i.e., 100 year storm event), at the discretion of on-site environmental personnel.	
Extractive Resources: Aggregates Section 3.2.4	Since the PPR's and Alternative Routes are all located within existing road allowances, potential impacts to extractive resources are not anticipated.	 Since potential impacts to extractive resources are not anticipated, mitigation and protective measures have not been developed. 	No net impacts are anticipated.
Soil and Soil Capability Section 3.2.5	 The Project will be largely confined to the road allowance where the preferred pipeline will be installed. Though the proposed infrastructure will impact a limited amount of agricultural land, where temporary work space (TWS) will be required on lands adjacent to the road allowance there is the potential to impact agricultural soils. Excessive passes with heavy equipment can damage topsoil to the point of greatly diminished productivity. Soil characteristics relating to the potential for damage include: moisture content, texture, organic matter content. Sandy soils are more resilient but clay soils can be susceptible to severe rutting and compaction which can greatly reduce agricultural productivity. Construction in wet conditions can increase the susceptibility to compaction damage. Additionally, improper topsoil stripping, topsoil storage and topsoil 	 In addition to the soil erosion mitigation measures outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021), the following measures are recommended. To avoid loss of soil, topsoil from lands directly affected by construction of the pipeline should be stripped. That topsoil should be stripped during dry soil conditions and stockpiled for use during clean-up and rehabilitation. Identification of the topsoil and subsoil interface should be carefully monitored to ensure that all topsoil with limited subsoil is stripped from the RoW. To reduce construction impacts associated with wet climatic conditions, the other components of the construction are recommended to occur during dry soil conditions. If construction cannot be completed during the drier summer months when evapotranspiration is greatest, strict adherence to an Environmental Protection Plan (EPP) is recommended. As an initial stage of construction, standard erosion and sediment control methods should be implemented on all active areas. Erosion and sediment control features should be regularly 	With the implementation of the mitigation and protective measures, no significant adverse impacts on soil or soil capability are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Environmental Feature(s)	replacement can result in mixing of topsoil and subsoil that can also reduce soil productivity. • During construction, soils with no vegetative cover are more prone to erode. This can result in soil erosion from water and wind. Soil susceptibility to water erosion depends on a number of variables, including: intensity and duration of rainfall events, antecedent soil moisture, surface soil cover, slope, soil texture, soil structure and organic matter content. Similarly, the susceptibility of soils to wind erosion depends on wind speed, surface soil cover, soil texture, soil structure and organic matter levels. Water and wind erosion both can result in a significant loss of topsoil.	inspected and maintained. Additionally, erosion and sediment control features should be improved or added to in areas requiring more protection. In locations prone to erosion, soil stockpiles should be protected with silt fencing. Soil piles should be separated by at least 1 m to avoid mixing topsoil with subsoil. On agricultural lands, subsoil should be stored on lands stripped of topsoil (subsoil on subsoil). • Following periods of excessive rainfall or saturated soil conditions, construction activities on agricultural lands should be suspended. During wet soil conditions heavy tracked and rubber-tired vehicles should be restricted from movement on agricultural soils. Usually, construction may continue from gravel or existing roadside work surfaces during wet soil conditions. • To the extent feasible, construction activities should occur during drier times of the year. Lands affected by heavy rainfall events and wet soil conditions should be monitored, to avoid the potential for topsoil and subsoil mixing. Construction activities should be temporarily halted on lands where excessively wet soil conditions are encountered. Enbridge's on-site inspection team should determine when construction activities may be resumed. • If a situation develops that necessitates construction during wet soil conditions, soil protection measures should be implemented, such as: confining construction activity to the narrowest area practical, installing surface protection measures, and using wide tracked or low ground pressure vehicles. • During construction activities, weather should be monitored to identify the potential onset of high wind conditions which can cause wind erosion. In the event that high winds occur, protective measures such as the following will be implemented: • suspend earth moving operations • apply dust suppressants • protect soil stockpiles with a cover, barrier or windscreen. • In conjunction with the above measures, all required materials and equipment should be readily accessible and available for u	Net Impacts
		 Where agricultural rand adjacent to the Now's typically accessed by crossing the Now's alternate access to the fields will be provided for the farm operator for the short period of time during construction that access across the RoW is not possible. If clean-up is not practical during the construction year, it should be undertaken in the year following construction, starting in May or June once the soils have sufficiently dried. Interim soil protection measures should be undertaken in sensitive areas to stabilize the RoW for over-wintering. 	



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Soybean Cyst Nematode Section 3.2.6	On agricultural fields, the potential exists for SCN to be spread from an impacted field to a non-impacted field by contaminated machinery, wind, contaminated boots, water erosion, etc. In order to minimize the risk of spreading SCN to non-impacted fields, mitigation and protective measures have been established. Since the construction will impact very little agricultural soil, the potential for the spread of SCN onto adjacent fields is negligible. Nevertheless, Stantec recommends testing for SCN on all southern Ontario linear corridor projects which impact agricultural soils.	 Landowners of agricultural properties should be contacted by an Enbridge lands representative to discuss if the landowner would like to participate in the SCN sampling program. In general, soil sampling for SCN is recommended where construction activity in the TWS is planned on agricultural lands adjacent to the existing municipal road allowance and as requested by the landowner. If SCN sampling is requested, the following mitigation measures should be considered: To the extent feasible restrict construction activity to the non-agricultural pipeline construction area. All properties impacted with SCN should be recorded and communicated to the Contractor and landowner/farm operator. Stantec will help develop best practices protocol to handle SCN. In the event that the preferred route or an adjacent farm field has SCN, advise the farm operator to remove soil from equipment before moving to the area that has not been impacted by SCN. This may involve thorough washing of equipment before moving equipment from an impacted field to non- impacted field. If topsoil is required to be imported it should be from an approved sources to ensure that it is not contaminated. 	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on soil or soil capability as a result of SCN are anticipated.
Agricultural Tile Drains Section 3.2.7	Construction activities, including trenching and the movement of heavy machinery, have the potential to crush and/or sever agricultural tile drains. Nonfunctioning tiles may cause flooding, saturated soils and subsequent erosion and sedimentation downstream. Interference with agricultural tile drainage systems could impact soil productivity.	Inspection personnel should undertake consultation with landowners of agricultural fields that may be impacted by TWS to confirm where systematic tile drainage is present. If present, on-site inspectors should observe excavation activities and if tile drains are encountered mitigation measures should be implemented by the construction contractor as follows: • Excavate the pipeline trench to a depth that would allow clearance between the top of the pipeline and the bottom of existing drainage systems. • Record and flag severed or crushed tile drains. • Temporarily repair main drains, header drains, or large diameter drains, if severed, to maintain field drainage and prevent flooding of the work area and adjacent lands. • Cap the downstream side of severed drains that cross the trench to prevent the entry of soil, debris and rodents. • Repair damaged and severed drains following construction. • Before backfilling, invite the landowner to inspect and approve the repair(s).	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on agricultural tile drains are anticipated.
Natural Hazards Section 3.2.8	 The probability of significant seismic activity in the area traversed by the preferred pipeline routes is low; therefore, no potential effects are anticipated. The likelihood of a flooding event interfering with pipeline construction is reduced by construction occurring outside of the spring freshet. A flooding event during construction could result in construction delays, sedimentation, and construction equipment entering a watercourse. The nature of these impacts would depend on the spatial extent, duration, and magnitude of the flooding event. 	If flooding necessitates a change in the construction schedule, affected landowners and regulatory agencies should be notified and construction should continue at non-affected locations. Workspaces, unless necessary for watercourse crossings, should be located above the floodplain to the extent practical. All work within Regulated Areas will be subject to a permit under O.Reg. 182/06 from KCA and O. Reg. 167/06 from ORCA. Mitigation measures for wet soil shutdown and high winds are outlined in Section 3.2.5.	With the implementation of the mitigation and protective measures, no significant adverse residual impacts from natural hazards are anticipated.
BIOPHYSICAL FEATURES			
Aquatic Species and Habitat Section 3.3.1	Construction has the potential to affect fish through impacts on water quality (erosion, sedimentation, and accidental spills) and disruption/harassment (vibration and noise). These potential effects may occur due to construction of the pipeline. Watercourses identified as supporting direct fish habitat are planned to be crossed using HDD methods. Therefore, no in-water work will be required. Watercourses identified as not supporting direct fish habitat may be crossed using trenched construction methods if approved by permit conditions. Setback distances for the HDD entry and exits pits should be established at least 30 m from the bankfull width of aquatic habitat. With the successful	The following general mitigation measures, or equivalent, are recommended at watercourse crossings along the preferred pipeline route. Some of the following general measures may not be applicable to HDD crossing methods but are included in the event a trenched crossing is required. Additionally, activity-specific measures related to the crossing methods are provided following the general mitigation measures. All measures presented are intended to be consistent with DFO's measures to protect fish and fish habitat (DFO 2019), which should be consulted prior to construction to confirm that the construction plan is consistent with the most up-to-date list of DFO avoidance measures. General Mitigation Measures No fording of watercourses should occur.	With the implementation of the HDD construction method and the above mitigation and protective measures, no adverse residual impacts on aquatic species or habitat are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Environmental Feature(s)	implementation of mitigation measures, HDD crossings reduce the risk of impacts on sensitive habitats and sedimentation in a watercourse and reduce disturbance to the riparian zone away from the channel. Fish passage and stream flow are also maintained. If trenched crossings are required at locations that support direct fish habitat, other potential impacts could include restrictions to habitat use and fish passage, changes to habitat such as altered substrate composition, increased erosion potential, loss of in-stream cover and loss of riparian shading. Excessive sediment introduced into a watercourse can adversely impact fish through clogging of fish gills and promoting avoidance behaviour, and can impact habitat through sedimentation of spawning beds and alteration of habitat structure. There is a potential for trenched crossings to require DFO review and / or permitting, depending on the results of applying DFO's assessment criteria to determine if a project needs a review. Criteria are outlined at https://www.dfo-mpo.gc.ca/pnw-ppe/reviews-revues/request-review-demande-d-examen-003-eng.html.	 Limits of the work space should be clearly marked to minimize encroachment into adjacent wetlands and watercouses and avoid unnecessary encroachment. In-water work for warmwater habitats is typically permitted from July 15 to March 15 (no work from March 16 to July 14) (MDMMNFF, 2013). In-water work for coldwater habitats is typically permitted from June 1 to September 30 (no work from October 1 to May 31) (MIDMNNFF, 2013). Watercourses should not be obstructed in a way that impedes the free movement of water and fish. Prior to removal of vegetation cover, effective mitigation techniques for erosion and sedimentation should be implace to protect water quality. Disturbance to an area during construction should be limited and grubbing activities should be delayed until immediately prior to grading operations. Soil exposure should be reduced prior to commencing construction, and the period that soil remains exposed for grading should be limited. Exposed soils surrounding watercourses should be seeded immediately following construction. Temporary erosion and sediment control measures should be maintained and kept in place until work within or near a watercourse has been completed and stabilized. Temporary sediment control measures have been established. Construction material, excess material, construction debris and empty containers should be stored a minimum of 30 m from watercourses and watercourse banks. Equipment maintenance and refuelling should be controlled to prevent entry of petroleum products or other deleterious substances, including any debris, waste, rubble, or concrete material, into a watercourse, unless otherwise specified in the contract. Refueling of equipment should be undertaken 100 m from wetland areas and watercourses identified during field surveys to reduce potential impacts to surface water in the event that an accidental spill occurs. If a 100 m refueling dista	Net Impacts



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
		 Filter cloth Water pumps (including stand-by pumps, sufficient lengths of hose and fish cages) Horizontal Directional Drill Mitigation Measures HDD construction methods for pipeline water crossings will not require DFO review or Authorization under the <i>Fisheries Act</i> provided measures to avoid causing a harmful alteration, disruption or destruction (HADD) of fish habitat are followed during construction. These measures include locating drill entry and exit points at sufficient distance to avoid disturbance to the bed and banks, locating the drill path at an appropriate depth below the channel and installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas, development of a contingency plan, etc.). If these measures are followed, a project of this nature is low risk to fish and can proceed without DFO review. 	
		Mitigation measures as they relate to employing the HDD method can include: Standard erosion and sediment control measures should be implemented around drill and pipe staging areas. Prior to initiating a HDD, appropriate geotechnical data should be obtained to assist in	
		 This is minimized to distinct /li>	
		 Bore Path Collapse Mitigation Measures The following mitigation measures should be applied as recommended by geotechnical studies to prevent HDD borehole collapse from occurring in susceptible soils: Fluid volumes, annular pressure and cutting returns should be strictly monitored to ensure bore hole plugging and fluid losses are detected and addressed immediately. Alternative drill paths should be evaluated to minimize exposure to challenging soil materials. Drilling mud should be maintained in the borehole until the pipeline is installed. This can be facilitated by positioning the entry and exit points in areas with cohesion-less soils (e.g., silt-sand zones). 	
		<u>Drilling Mud Release (Inadvertent Returns) Mitigation Measures</u> The following mitigation measures should be employed to reduce the risk of lost drilling mud circulation:	



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
	r otellulai impaci(s)	 Install appropriate berms, silt fencing and secondary containment measures (i.e., plastic tarp) around drilling and drilling mud management equipment at both bore entry and bore exit locations to contain operational spills. Clean up operational releases daily to prevent mobilization of drilling mud off site during rain events. Design the directional drill so that drilling slurry pressure is minimized and the drilling rate is reduced in porous materials to minimize the chance of loss of circulation of the drilling slurry. Maintain smooth operation of the drilling string and slurry pumping systems to avoid pressure surges. Reduce slurry viscosity through appropriate filtering of drilled material to reduce the pressure gradient along the drill path due to frictional effects. Continually monitor slurry volumes to enable a quick response to any indications of lost circulation. Immediately contain any drilling mud that escapes onto land and transfer it into an on-site containment system. In addition to the items mentioned in the <i>General Mitigation Measures</i> above, the following materials should be on hand during drilling operations and prepared to employ them in the event of a drilling mud spill or inadvertent return: sand bags straw bales silt fencing hydrovac truck. Turbidity curtains T-bar posts and post pounders Numerous 5 gallon pails Floating sediment boom Squeegees Shovels Polyethylene sheeting Culvert 	Het impacts
		Additional Measures The contingency method for HDD crossings is a trenched crossing. Additionally, crossings identified as not supporting direct fish habitat may be crossed using a trenched construction method. The following measures are applicable to trenched crossings. Flow Diversion/Dewatering If in-water works are required, the work area will be isolated from the remainder of the surface water feature. Downstream flows will be maintained using dam and pump or dam and flume techniques. When dewatering the work area, dewatering operations will be managed to prevent erosion and/or release of sediment laden or contaminated water to the waterbody (e.g. settling basin, filter bag, energy dispersion measures). An isolation/containment plan will be designed and implemented to isolate temporary in-water work zones and maintain flow around the work zone. Maintenance of downstream flow will avoid potential upstream flooding and desiccation of downstream aquatic habitat and organisms. To further reduce the potential for flooding during construction, the weather forecast will be monitored prior to the start of construction to ensure that in-water works occur during a dry period.	



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
		Fish Rescue Plan Prior to dewatering the work zone, fish trapped in the construction area will be collected and moved using capture, handling, and release techniques to reduce harm and stress. Fish rescue plans will be developed on a site-specific basis and implemented by qualified professionals with the appropriate permitting in place (i.e. a Licence to Collect Fish for Scientific Purposes).	
		Site Restoration and Riparian Planting Following construction, the bed and banks of the crossing locations will be restored to preconstruction conditions to the extent possible in accordance with environmental permits. Bank slopes will be restored to match existing grades; however, alterations may be made to maintain slope stability and limit future erosion. Exposed banks will be re-vegetated with native plants to provide riparian cover and aid in erosion and sediment control. Stream beds will be restored to maintain slopes and tie in with existing grades. Bed material will be replaced to match preconstruction conditions.	
		Permitting The Fisheries Act prohibits causing the death of fish and the HADD of fish habitat, unless authorized by the Minister of Fisheries, Oceans and the Canadian Coast Guard. Conditions and circumstances for projects to be exempt from review are listed on DFO's Fish and Fish Habitat Protection Program web pages (accessible at: https://www.dfo-mpo.gc.ca/pnw-ppe/ffhpp-pppheng.html). Following guidance and criteria provided on DFO's website regarding mitigation, waterbody types and codes of practice, proponents determine whether their projects in or near water will require review by DFO. DFO review is requested through the submittal of a 'Request for Review' (RfR) form. Following completion of their review, DFO can proceed in two ways: 1) Issue a Letter of Advice indicating work complies with the Fisheries Act or, 2) Refer the project to the Regulatory Review Unit for site specific review. If the project can avoid impacts to fish and fish habitat, project approval is not required. If impacts that cause a HADD cannot be avoided, proponents must apply for a Fisheries Act Authorization, and may be required to develop a habitat offsetting or compensation plan.	
		The proposed pipeline will be located within the regulated boundary of ORCA and KCA. Permits under Ontario Regulation 182/06 and 167/06 will be required prior to construction activities in the regulated boundaries.	
Forest and Vegetation Cover Sections 3.3.2	Vegetative cover within the road allowance generally consists of common, hardy plant species that are adaptable to disturbed environments. The Study Area is dominated by a mixture of agricultural lands, forests and wetlands with scattered rural residential properties. Mature hedgerows are common along the roadside adjacent to these properties. Several natural features are designated as significant (see Appendix C, Figure C-2). Vegetation removal may be required in these areas in order to accommodate pipeline construction. Potential impacts to significant woodland communities may be avoided using the HDD method of pipeline installation as discussed in row "Aquatic Species and Habitat" above.	 The following mitigation measures, or equivalent, should be implemented to reduce impacts on forests and vegetation cover: Municipal requirements or permits for tree cutting will be determined prior to construction. In the event that any ornamental trees along the preferred pipeline route need to be removed, staff from the CKL should be contacted to determine a tree replacement strategy prior to removal. Limits of the work space should be clearly marked to minimize encroachment into adjacent wooded areas and avoid unnecessary tree removal. Clearing should be done during dry soil conditions to the extent practical to limit disturbance to vegetation and terrain. 	With effective implementation of the mitigation measures recommended above, no significant adverse residual impacts to forest and vegetation cover are anticipated. Vegetation removal may be required along the edges of rural roads. Removal will be restricted to cultural hedgerow allowance communities and the edge of natural heritage
	Without appropriate mitigation measures, construction activities can adversely impact trees and other vegetation through soil compaction, removal of topsoil and equipment encroachment, causing irreversible damage to roots or trunks and destroying the structural integrity of vegetation or soils. Any filling, excavation, grading or trenching in the root area of a tree has the potential to cause irreversible damage. Tree clearing should be scheduled to occur outside of the breeding bird window (i.e. not occur between April 1 and August 31) to comply with the MBCA. Where limited tree clearing is required during this window, a breeding bird survey can be completed to identify evidence of nesting and areas to be avoided. Refer to	 Trees or other vegetation to be retained should be surrounded by temporary protective fencing or other measures before any clearing or grading occurs, and maintained until all construction work is completed in that area and the site is restored. Barriers should be large enough to encompass the essential root zone of the vegetation to be protected. Construction traffic should be restricted to the existing road allowance where possible to avoid potential compression damage to the root zones of trees located adjacent to the road allowance. 	features that are currently exposed to road traffic and maintenance activities. As vegetation removals are restricted to the edge of natural heritage features, impacts on the ecological function of these features will be minimized.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
	row "Wildlife, Wildlife Habitat and Species at Risk Section 3.3.4" for associated wildlife mitigation measures. Vegetation removal may impact SAR within forested or vegetated areas (e.g., Butternut, bat SAR) and is discussed in Section 3.3.4.5 and row "Wildlife, Wildlife Habitat and Species at Risk" below.	 Reclamation in residential/commercial land areas traversed by the road allowance should involve seeding (or sodding) the disturbed areas and replacement of ornamental trees and shrubs. The following criteria are recommended to be taken into consideration when selecting a seed mix for use in natural vegetation areas: Site specific conditions such as climate, soil types and terrain should be considered. 	
		 Only local native species should be included. A fast-growing seed mixture requiring little or no maintenance should be selected. Seed mixture should be consistent with the land use of the area. If there is no suitable local native seed mix available but seeding is deemed desirable to promote rapid revegetation of an area, a non-invasive annual nurse crop such as annual ryegrass should be used instead. Purchased seed should be certified free of weeds. 	
		Implement recommendations based on consultation with KCA, ORCA and landowner preferences, where feasible.	
Wetlands Section 3.3.3	The potential impacts on wetlands during construction include accidental contaminant release, sedimentation and turbidity from surface runoff, introduction of invasive species and temporary lowering of the water table during trench dewatering. Clean-up and restoration activities to contain or remove contaminant and sediment releases can cause more damage to sensitive wetland ecology than the initial impact of the release. Therefore, it is important to institute appropriate mitigation measures to minimize interactions with adjacent wetlands. As construction is planned within the previously disturbed road allowance, no adverse interactions are expected to occur with wetlands along the preferred route. However, to protect these features, construction activities undertaken in proximity should include the following mitigation measures.	Wetlands encroaching the road RoW may be crossed by HDD. Mitigation measures for HDD are discussed in row "Aquatic Species and Habitat Section 3.3.1" and will apply for wetland crossings. In addition to these mitigation measures, the following are recommended to be employed: Construction material, excess material, construction debris and empty containers should be stored away from adjacent wetlands. Temporary work space width should be minimized when working within 30 m of wetlands, where practical. Staging areas should be located at least 30 m away from the edge of wetlands. Equipment should be free and clear of debris prior to moving between locations to prevent the spread of non-native species through the use of pneumatic devices, equipment washing, washing stations, etc. Construction dewatering should be discharged to sediment removal basins if discharge to a well-vegetated dry area is not feasible. The sediment removal basins should be located to maximize the distance to the nearest surface water feature and minimize the slope of the surrounding buffer area. The basin should consist of a temporary enclosure constructed with hay bales, silt fence or both. All activities, including equipment maintenance and refueling, should be controlled to prevent entry of petroleum products or other deleterious substances, including any debris, waste, rubble or concrete material, into a wetland, unless otherwise specified in the contract. In the unlikely event of a spill, spills containment and clean-up procedures should be implemented immediately. Enbridge will contact the MECP Spills Action Centre and local and/or regional municipality. The MECP Spills Action Centre is the first point of contact for spills at the provincial and federal level. It is recommended that Parks Canada and DFO be contacted as well. Contingency plans in the event of a spill are provided in row "Aquatic Species and Habitat Section 3.3.4." and avoidance measures included in row "Aquatic Species and Habitat Section sa.4.5. Recommended erosio	With the implementation of HDD construction and the mitigation and protective measures, no significant adverse residual impacts on wetlands are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Wildlife, Wildlife Habitat and	New pipeline construction impacts on wildlife populations are associated with	 topsoil and subsurface soil should be stockpiled in separate piles with adequate spacing between the piles temporary erosion/silt control structures (i.e., straw bales, sediment fencing (see Section 4.2.5 for further information) should be used down gradient of spoil stockpiles, as necessary temporary sediment barriers should be maintained until soils have been stabilized vegetation clearing should not be conducted within 30 m of a wetland unless required for site construction activity (i.e., within the road allowance) in the event that vegetation regeneration is unlikely immediately following construction (i.e., outside the growing season), all slopes adjacent to wetlands should be stabilized using geogrids or weed-free mulch for a minimum of 30 m from the wetland erosion control measures in both active and non-active construction areas should be regularly inspected until the site has been adequately stabilized to prevent erosion. The mitigation measures below, or equivalent, are recommended to minimize potential impacts	Consultation with MECP regarding
Species at Risk Section 3.3.4	vibration and compaction of the shoulder as well as direct mortality from animal-vehicle collisions as a result of increased construction traffic, temporary avoidance behavior due to the presence of humans and equipment and direct loss of habitat (e.g., destruction of nests or alteration of nesting habitat). No new lands or natural areas are anticipated to be assumed for this Project. Because the Project will be working within a road allowance, mitigation will be primarily targeted at SOCC and ESA 2007 protected species that are known to occur in the area such as turtles, bats, and birds. The preferred habitat for SOCC and ESA 2007 protected species is generally not present in the road allowance; however, mitigation measures are detailed below with regulatory requirements (if any) for SAR to be determined by the MECP.	of the Project on wildlife and wildlife habitat: SOCC and ESA 2007 Protected Species Prior to all activities, a worker awareness program should be implemented that includes SAR identification and habitat or nesting characteristics as well as reporting protocols. SAR sightings should be reported immediately to the Environmental Inspector followed by MECP or ECCC, as required. Detailed design of the preferred pipeline should be reviewed to avoid and reduce the likelihood of impact upon wildlife habitat to the extent possible, and in particular habitats of endangered, threatened, special concern and rare species. Equipment and vehicles should yield the RoW to wildlife. Trench operations should be followed as closely as practical with backfill operations, to facilitate the movement of wildlife across the trench. Gaps in stockpiles should be created, in consultation with a biologist, to allow for the potential movement of wildlife across the RoW. Fencing should be erected around deep excavations to prevent wildlife entrapment. The contractor should inform their personnel to not threaten, harass or injure wildlife. If wildlife are encountered during construction, personnel are required to move away from the animal and wait for the animal to move off the construction site. ESA 2007 protected species cannot be handled unless authorized by MECP and MNDMNRF A Wildlife Scientific Collector's Permit (MNDMNRF authorization) will be required to handle wildlife. Plants Complete a Butternut Health Assessment of the single identified butternut, and of additional butternuts if required to determine requirements under the ESA (if any). HDD may be an option to bypass ground disturbance work within 25 m of butternuts if amicable to MECP. Otherwise, registration under Ontario Regulation 242/08 Section 23.7 could be undertaken for a maximum of 10 trees, if required. Turtles Blanding's Turtle records are known to occur within the Study Area have the potential to provide habitat for Blanding's Turtle. Regulatory requirem	ESA 2007 protected species, appropriate protection measures for wildlife and wildlife habitat are intended to be used in the planning and scheduling phase of project activities to assist in avoidance and exclusion of SAR. A permit under ESA 2007 may be required at the discretion of the MECP, particularly for Blanding's Turtle, Eastern Meadowlark, and Bobolink, which are the most likely species to be encountered in the Project footprint. For the portion of the Project on federal lands (e.g., crossing of Big Bob and Little Bob Channels), ECCC should be also be consulted to determine requirements under the SARA, particularly for Blanding's Turtle. With the effective implementation of the mitigation and protective measures, no significant adverse residual impacts on sensitive habitats are anticipated. Therefore, the preferred route for is anticipated to avoid adverse environmental effects with respect to wildlife or wildlife habitat.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
		 Implement erosion and sediment control measures detailed in Section 3.3.3 to protect turtle habitat (wetlands). Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 – September 30) in areas identified as having turtles (30 m for SOCC species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops, wetted ditches connected to natural water features. Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat. Where possible, restrict construction activities within 30 m of a nesting site. Birds Construction activities with the potential to remove migratory bird habitat, such as vegetation clearing, should be avoided during the breeding season which is generally from April 1-August 31 in southern Ontario (Environment Canada, 2017). Should vegetation clearing activities be unavoidable during this window, a mitigation program should be developed, which includes measures to reduce and avoid impacts to migratory birds and their nests (Government of Canada, 2018). This program should include preventative and mitigation measures but may also include avoidance of clearing during key sensitive periods and in key locations. Bobolink and Eastern Meadowlark are expected to occur within meadows, pastures, and hayfields that may overlap with the Project location. Avoidance of work within these areas between May 1 and August	
		 active season for bats (mid-April to mid-September). If tree removal is required, mitigation recommendations for SAR bats will be prepared upon consultation with MECP. 	
		<u>Amphibians</u>	
		 Where practical, avoid construction in the vicinity of areas that may provide habitat for amphibians during the amphibian breeding season (March 1 – June 30). 	
		Other Wildlife	
		 Nuisance and large wildlife encounters (e.g., nuisance bears) or incidents involving wildlife should be reported to the MNDMNRF. Food waste and other debris should be properly contained and should be collected and removed from the site on a daily basis to an approved disposal facility. 	



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
SOCIO-ECONOMIC ENVIRONMEN	IT		
Residents and Businesses Section 3.4.1 Institutional Services and Facilities Section 3.4.2	Residential and business properties along the preferred route may experience noise, traffic disruptions, dust and equipment exhaust associated with construction activity. Construction activities will temporarily affect the aesthetic landscape of the construction area and could impede property access. Potential safety concerns also exist at locations where properties, residents and vehicles come in proximity to construction activities. Potential impacts on institutional services along the preferred route are an increased use of emergency and medical services. Given the safety program required for the construction contractor, the capacity of the emergency and medical services is expected to be able to respond to minor safety incidents which may arise. The construction of the Project may temporarily interfere with institutional facilities. Potential impacts include noise, dust and equipment exhaust associated with construction activity. Construction activities will temporarily affect the aesthetic landscape of the construction activitics on contractive sist.	 During construction, motorized construction equipment should be equipped with mufflers and silencers. Company and construction personnel should avoid idling of vehicles; vehicles or equipment should be turned off when not in use, unless required. Activities that create noise should be restricted to daylight hours when possible, and adhere to local noise by-laws; sources of continuous noise, such as portable generators, should be shielded or located so as to reduce disturbance to residents and businesses. Where pipeline installation will take an extended time period to complete, such as watercourse and road crossings, an assessment should be undertaken to determine the suitability and effectiveness of temporary noise barriers adjacent to residential or business properties. The contractor should implement site practices during construction that are in line with the Environment Canada document Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities' (Environment Canada, 2005), which may include: — maintaining equipment in compliance with regulatory requirements — protecting stockpiles of friable material with a barrier or windscreen in the event of dry conditions and dust — dust suppression of source areas — covering loads of friable materials during transport. With respect to local viewscapes, restoration of the construction area will leave little evidence that a pipeline exists. Construction should protect lawns against damage by spoil, using tarpaulins, and/or plywood sheets. Wherever necessary, the Constructor must provide crossings of the RoW and open trench to permit the landowner or tenant to have access to their property. Access to residential properties should be maintained at all times. Safety fence should be installed at the edge of the construction area where public safety considerations are required. The contractor should implement a traffic management plan for all roa	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on residents or businesses are anticipated. With the implementation of the mitigation and protective measures, no significant adverse residual effects on institutional facilities are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Culture, Tourism & Recreational Facilities Section 3.4.3	Construction of the Project may temporarily interfere with the use of the cultural and recreational facilities. Potential impacts include noise, dust and equipment exhaust associated with construction activity. Construction activities will temporarily affect the aesthetic landscape of the construction area. Potential safety concerns exist due to the proximity of construction activities to the facilities.	 The following mitigation measures, or equivalent, are recommended to reduce any potential adverse impacts to recreation: warning signs should be posted to alert recreational trail users to the potential for construction and associated activities at trail crossings along the preferred route. Signs should be employ reflective high-visibility markings for night users warning signs should be appropriately located along trails approaching the construction area to consider ATV users (or snowmobilers in the case of potential winter construction) who may encounter construction works at high speeds construction barricades should be erected at all areas of construction activity where recreational users may be present detour signs for the OFSC snowmobile trails identified along the road allowance's should be posted directing users to alternate routes to avoid the construction zone and re-enter the trail. Other mitigation and protective measures for noise, dust and equipment exhaust, aesthetics and safety are outlined in row "Residents and Businesses Section 3.4.1" above. 	With the implementation of the mitigation and protective measures, no significant adverse residual effects on culture, tourism, or recreational facilities are anticipated.
Economy & Employment Section 3.4.4	The construction and operation of the preferred route will result in some direct and indirect business and employment income, and an increase in tax revenues.	Enbridge should make all reasonable efforts to procure services and materials from local suppliers, where services or products are available in required quantity and at competitive prices.	With the implementation of the Project and local procurement of services and materials where reasonable, positive residual impacts on the economy and employment are anticipated.
Landfills and Contaminated Sites Section 3.4.5	 Potential soil, and groundwater and/or surface water contamination may result from hazardous waste sites, gas bars and auto repair shops, known contaminated soil dump, and road salt for de-icing activities along roadways crossed. Improper disposal of waste material generated during construction may result in contamination to soil, groundwater, and/or surface water resources on and off the construction road allowance. 	 All construction wastes should be disposed of in accordance with Enbridge Construction and Maintenance Manual (October 27, 2021). Additionally, Enbridge Gas should undertake responsible management of excess fill. When details on excess fill volumes are known, disposal locations should be determined, and appropriate permitting obtained. Suggested mitigation and protective measures include the following: Waste materials, sanitary waste, and recycling transported off-site by private waste contractors licensed by the MECP. Contractors required to remove their excess materials from the site. Labelling and storage of hazardous and liquid wastes in a secure area that would contain material in the event of a spill. Implementation of a waste management program consisting of reduction, reuse, and recycling of materials. Based on the review of potentially contaminated sites in the Study Area, the following recommendations are provided: Should contaminated soils be encountered during construction, Enbridge Gas should implement their Suspect Soils Program (see Enbridge Construction and Maintenance Manual (October 27, 2021) for further details). Should excess soil be generated on-site during construction activities that will require off-site management, or if contaminated soils are suspected (e.g., if observed material contains anthropogenic substances, petroleum hydrocarbons odours/staining, and debris/waste), representative soil samples should be collected in accordance with O. Reg. 406 /19 and submitted for chemical analysis to determine management options and-appropriate handling and health and safety guidelines. Soils that cannot be reused on site may be reused off-site in accordance with O. Reg. 406/19. A Phase I ESA, and Phase II ESA (if recommended as part of the Phase I ESA) should be considered for any property that will be acquired by Enbridge Gas and a site-specific evaluation of PSOCs should be completed for buildi	With the implementation of the mitigation and protective measures, no significant adverse residual effects from contaminated sites are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Air Quality and Noise Section 3.4.6	Residential and business properties may experience noise, dust and equipment exhaust associated with construction activity. During operation, no substantial air or noise emissions are anticipated to occur.	During construction, motorized construction equipment should be equipped with appropriate mufflers and silencers as available. Company and construction personnel should avoid excessive idling of vehicles; vehicles and equipment should be turned off when not in use unless required for operation. To the greatest extent practical, activities that could create noise should be restricted to daylight hours and adhere to local noise by-laws. Sources of continuous noise, such as portable generators, should be shielded or located so as to reduce disturbance to residents and businesses. The contractor should implement site practices during construction that are in line with the Environment Canada document 'Best Practices for the Reduction of Air Emissions from Construction and Demolition Activities' (Cheminfo Services Inc., 2005), which may include:	With the implementation of the mitigation and protective measures, no significant adverse residual impacts from air quality and noise are anticipated.
		 Maintaining equipment in compliance with regulatory requirements Protecting stockpiles of friable material with a barrier or windscreen in the event of dry conditions and dust Dust suppression of source areas Covering loads of friable materials during transport Watering for dust control must not result in the formation of puddles, rutting by equipment or vehicles, the tracking of mud onto roads or the siltation of watercourses. 	
Land Use Section 3.4.7	The pipeline routes of the Supply Lateral and Reinforcement sections are considered linear corridors and oil and gas pipelines are a permitted/allowable land use within any land use zone. The Supply Lateral Study Area includes ESAs and PSWs; therefore, through an Environmental Assessment and/or other environmental studies (e.g., an Environmental Impact Statement) it should be demonstrated that there is no significant impacts to these features and that there are no reasonable alternatives for the Project. This has been demonstrated through the route evaluation process that was undertaken for the Project as per the OEB <i>Environmental Guidelines</i> (2016) (see Section 2.0). Potential impacts of the Project on natural areas, and residents and businesses are noted in rows "Forest and Vegetation Cover Section 3.3.2" and "Residents and Businesses 3.4.1."	Sections 4.3.2 and 4.3.3 of this report, the design, construction, site restoration and maintenance should be carried out in accordance with relevant environmental guidelines and best practices as outlined in this report. Consultation should be undertaken with landowners along and adjacent to the preferred pipeline route, where applicable (row "Residents and Businesses Section 3.4.1" above). Municipal by-laws and permits may be applicable such as tree cutting by-laws, Conservation Authority permits, MECP D-guidelines, etc. and are outlined in Section 1.2.5.	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on land use are anticipated. However, measures to ensure appropriate setbacks are adhered to and safety within/near residential and other sensitive lands uses should be followed.
Archaeological Resources Section 3.4.8	The Stage 1 AA determined that several sections of the Study Area have moderate to high that retain potential for the identification and recovery of archaeological resources. Stage 2 AA has been recommended for these areas.	Based on the findings of the Stage 2 AA, and any further necessary stages of archaeological assessment, recommendations for archaeological resources will be implemented. Wherever possible, archaeological sites that are determined to have cultural heritage value and interest should be mitigated in whole or in part by avoidance and preservation. If it should evolve that avoidance and preservation is not feasible, the site or sites should be mitigated by the implementation of Stage 4 salvage excavations. For any sensitive archaeological sites that could be subject to impact by the Project, the Stage 3 and 4 options will be evaluated in discussions with the appropriate Indigenous communities. Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the <i>Ontario Heritage Act</i> (Government of Ontario 1990). The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48(1) of the <i>Ontario Heritage Act</i> (Government of Ontario 1990a). The <i>Funeral, Burial and Cremation Services Act</i> , 2002, S.O. 2002, c.33 (Government of Ontario 2002) require that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Government and Consumer Services (1-800-889-9768).	By continuing the assessment, noted in Section 3.4.8 and implementing the mitigation measures and any necessary contingency plans, no significant adverse residual impacts on archaeological resources are anticipated.



 Table 5.1:
 Potential Impacts and Recommended Mitigation and Protective Measures

Environmental Feature(s)	Potential Impact(s)	Mitigation and Protective Measures	Net Impacts
Built Heritage Resources and Cultural Heritage Landscapes Section 3.4.9	Destruction, alteration, direct or indirect obstruction, a change in land use, shadows that alter the appearance of a heritage attribute or change the viability of a natural feature, and land disturbances (i.e. a change in grade that alters soils and drainage patterns) may result from excavation and construction.	A CHECPIA will be completed for the preferred routes and submitted to the MHSTCI for their review and comment. The CHECPIA will include mitigation measures such as the use of buffer zones around identified built heritage resources and cultural heritage landscapes, identification of their locations on construction mapping, and vibration monitoring.	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on heritage resources or cultural heritage landscapes are anticipated.
Indigenous Interests Section 3.4.10	The proposed Project may impact Treaty and Aboriginal rights and traditional uses, including aboriginal archaeological resources.	Enbridge has sought Indigenous feedback and shared knowledge with regard to the Project (see Section 2.5.5) There are no recorded HWN archaeological sites in the area, however, there is potential for uncovering sites during Project activities. Enbridge will continue consulting Indigenous communities as the Project proceeds. Mitigation and protective measures for archaeology are discussed in row "Archaeological Resources Section 3.4.8".	By continuing engagement with Indigenous communities, no significant adverse residual impacts on Indigenous community interests are anticipated.
Infrastructure Section 3.4.11	Potential to damage and service interruptions to infrastructure and compromise the safety of workers and surrounding residents may result from interactions with roads, hydrocarbon pipelines, hydroelectric facilities and buried and overhead utilities.	 Enbridge is committed to continued engagement with MTO on their concerns. Approvals should be obtained from the municipalities for all road crossings. Where roads will be crossed via open-cut, a traffic management plan should be developed to ensure the safety of road users during the crossing (row "Aquatic Species and Habitat Section 3.3.1"). The contractor must adhere to Enbridge's requirements for road crossings by HDD or open-cut as outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021). Prior to the commencement of construction Enbridge should obtain subsurface utility engineering data for the route. The contractor should be responsible for locating and exposing existing pipelines and utilities on lands which will be affected by trench excavation. Machine operators will be informed where electrical transmission lines are present overhead. Lines that may interfere with the operation of construction equipment will be identified with warning poles strung together with rope and suspended red flags. In addition, all necessary permits and conditions of the utilities infrastructure will be met and abided by (e.g., Hydro One). Measures to mitigate induced voltage effects should be followed and are outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021). 	With the implementation of the mitigation and protective measures, no significant adverse residual impacts on infrastructure are anticipated.



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6.0 CUMULATIVE EFFECTS ASSESSMENT

The recognition of cumulative effects assessment as a best practice is reflected in many regulatory and guidance documents. With regard to development of hydrocarbon pipelines in Ontario, the OEB *Environmental Guidelines* (2016) note that cumulative effects of pipeline construction should be identified and discussed in the ER as an integral part of the assessment.

Building upon the intent of the OEB *Environmental Guidelines* (2016), the OEB has specified that only those effects that are additive or that interact with effects that have already been identified as resulting from the Project are to be considered under cumulative effects. In such cases, it will be necessary to determine whether these effects warrant mitigation measures such as alterations in routing, timing of construction, or other measures that can address the cumulative effects. The cumulative effects assessment has been prepared with consideration of this direction from the OEB.

6.1 METHODOLOGY

The cumulative effects assessment describes the potential cumulative effects resulting from the interaction of residual effects of constructing and operating the proposed Project with the effects of other unrelated projects. The other projects assessed are those that are either existing or approved and that have a high likelihood of proceeding.

Cumulative effects include the temporal and spatial accumulations of change that occur within an area or system due to past, present, and future activities. Change can accumulate in systems by either an additive (i.e., cumulative) or interactive (i.e., synergistic) manner. Positive residual effects have not been assessed in the cumulative effects assessment.

By applying the principles of avoidance, minimization, and compensation to limit project-specific effects, potential adverse residual effects on environmental and socio-economic features have been greatly limited before accounting for the effects of other unrelated projects.

The cumulative effects assessment methodology is designed to evaluate and manage the additive and interactive effects from the following sources:

- Existing infrastructure, facilities, and activities as determined from available data sets
- The proposed Project
- Future activities where the undertaking will proceed, or has a high probability of proceeding



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Although rare in occurrence, it is plausible that accidents or emergency events may arise due to an unforeseen chain of events during the project's construction or operational life. Due to the rarity and magnitude of such events, they have not been assessed here, as they are extreme in nature when compared to the effects of normal construction and operation activities and require separate response plans.

6.2 STUDY BOUNDARIES

Spatial

To make assumptions about the magnitude and probability of effects, an approximate 100 m boundary around the preferred pipeline route was used for the cumulative effects assessment. The 100 m boundary has been found, through previous experience with pipeline construction, to be appropriate for the most commonly encountered net effects.

Temporal

The temporal boundaries for the cumulative effects assessment reflect the nature and timing of project activities, and the availability of information surrounding future projects with a high probability of proceeding. The project schedule identifies three key milestone activities:

- 1. ER and technical design 2021-2022
- 2. Construction
 - a. Supply Lateral 2023-2024
 - b. Reinforcement 2026-2029
- 3. Operation and Maintenance 2027 to 2077*

*Fifty years of operation is used as an assumption, although the pipeline may be operational beyond fifty years.

Based upon these milestone activities, two time periods were selected for evaluation: 2023 and 2029 The year 2023 was selected to represent the beginning of the construction period, and the year 2029 was selected to represent the operation and maintenance period. Forecasting beyond 2029 increases the uncertainty in predicting whether projects will proceed, and the effects associated with these projects.

6.3 PROJECT INCLUSION LIST

The project inclusion list was developed by reviewing publicly available information for projects and activities with the potential for effects to interact with the identified effects of the proposed pipeline within the spatial and temporal study boundaries. The following resources were reviewed:

Impact Assessment Agency of Canada, Canadian Impact Assessment Registry (IAAC, 2021)



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- Government of Ontario, Environmental Assessment Projects by Category (Government of Ontario, 2021)
- MTO, Ontario's Highways Program Interactive Map (2016-2024) (MTO, 2020)
- Canadian Energy Regulator, Major Facilities Applications (CER, 2021)
- OEB Applications Currently Before the Board (facilities applications only) (OEB, 2021)
- City of Kawartha Lakes, Major Projects (CKL, 2021)
- Township of Cavan-Monoghan: Construction Projects, Capital Projects and County Projects (Municipality of Cavan-Monoghan, 2020)

Based on the review of publicly available resources, the project inclusion list in Table 6.1 included the following projects for consideration of cumulative effects:

Table 6.1: Project Inclusion List for Cumulative Effects

Project Name	Project Location	Proponent	Schedule	Project Description	Interaction with the Proposed Project
Bobcaygeon Beach Park Redevelopment, Trent Severn Waterway	Bobcaygeon Beach Park, Bobcaygeon	City of Kawartha Lakes	2020- 2023*	The redevelopment at Bobcaygeon Beach Park is intended to provide an accessible gateway to the Trent-Severn Waterway, facilitate access by boat to Bobcaygeon, and enhance services at the existing Bobcaygeon Beach Park.	The proposed project includes construction of facilities, the removal of existing parking areas and paving of a new parking area. The proposed project is located within the Study Area of the preferred route; however Bobcaygeon Beach Park is located approximately 1km from the preferred route. Therefore impacts are anticipated to be limited to traffic congestion due to construction.

^{*}Notes delay in project schedule due to COVID-19 precautions.

In addition to the above, it is assumed that on-going improvements, upgrades and maintenance to municipal infrastructure such as bridges, culverts, drains or roads will occur within the spatial and temporal study boundaries.

6.4 ANALYSIS OF CUMULATIVE EFFECTS

Sections 3.2-3.4 of the ER consider the potential effects of the Project on specific features and conditions, and the potential impacts and recommended mitigation and protective measures are discussed in Table 3.8. The cumulative effects assessment evaluates the significance of residual effects (after mitigation) of the Project along with the effects of other unrelated projects.



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Year 2023: Construction

The Project consultation program, and discussions with provincial and federal agencies has to-date not revealed any additional projects with the potential to overlap with the pipeline construction.

Year 2028: Operation and Maintenance

The MTO stated in a letter dated September 23, 2021, that Highway 35 is planned to be widened to a 4-lane highway including a new intersection, realigned road, overpass and underpass. However, no specific dates were provided and no information on this project was found to be publicly available or posted on the MTO website.

No municipal road, sewer or watermain works, or CKL and Township of Cavan-Monaghan projects are scheduled to take place during the timeframe of the construction and operation of the pipeline. Consultation will continue with municipal staff, developers and other utilities that intersect with the proposed pipeline to identify new projects that may occur concurrently with the proposed pipeline operation. These could include CKL road and infrastructure upgrades and maintenance programs including other utility operation and maintenance activities. There is the potential that cumulative effects may occur for residual impacts as outlined in the ER related to accidental spills, erosion and sediment control and residents.

Enbridge will continue consultations with municipal staff, developers and other utilities as appropriate, to determine the nature of activities that may lead to cumulative effects and coordinate plans to reduce resultant effects. Provided that operational and maintenance activities implement similar mitigation and protective measures as those recommended for pipeline construction, including for accidental spills, erosion and sediment control, noise, dust, air quality, and site access, adverse cumulative effects will be of low probability and magnitude, short duration, and reversible. Therefore, adverse residual cumulative effects, if present, are not anticipated to be significant.

6.5 SUMMARY

The potential cumulative effects of the Project were assessed by considering development that may begin during construction or that may begin sometime in the future.

The Study Area boundary for the Project was used to assess the potential for additive and interactive effects of the Project and other developments on environmental and socio-economic features. As such, the CEA determined that, provided through ongoing consultation, appropriate mitigation and protective measures are implemented, potential cumulative effects will be of low probability and magnitude, short duration, and reversible, positive and are therefore not anticipated to be significant.



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7.0 MONITORING AND CONTINGENCY PLANS

7.1 MONITORING

The primary objective of compliance and effects monitoring is to check that mitigation and protective measures are effectively implemented and to measure the impacts of activities associated with construction on environmental and socio-economic features. Ultimately, the knowledge gained from monitoring is used to avoid or reduce issues which may arise during construction of subsequent pipeline projects.

Previous pipeline construction experience, and a review of post-construction monitoring reports from other projects, indicates that impacts from pipeline construction are for the most part temporary. The mitigation and protective measures to eliminate or reduce impacts are well known and have been shown to be effective. Enbridge Gas should adhere to the following general monitoring practices:

- Trained personnel should be on-site to monitor construction and should be responsible for checking
 that the mitigation and protective measures and monitoring requirements in the ER are executed.
 Enbridge Gas should implement an orientation program for inspectors and contractor personnel to
 provide information regarding Enbridge Gas' environmental program and commitments, as well as
 safety measures.
- Recommendations and commitments made in this ER and other applicable permits and reports
 should be incorporated into an Environmental Protection Plan (EPP) detailing construction activity.
 The EPP should also include site and feature specific mitigation. The EPP should become part of the
 contract specification with the contractor selected to construct the project, as noted in section 5.8.4 of
 the OEB Environmental Guidelines (2016).
- A walking inspection of the entire pipeline route should be completed three (3) months and 15 months
 after the in-service date to determine whether areas require further rehabilitation or as required by
 OEB conditions of approval.

The following sections list specific environmental monitoring activities recommended for the Project.

7.1.1 Exposed Soils

Where soils are exposed for construction activities, potential effects may include surface soil erosion, trench slumping, and sedimentation of watercourses. The movement of heavy machinery on wet soil may cause rutting, compaction, and mixing of topsoil and subsoil. Improperly salvaged topsoil can result in topsoil and subsoil mixing, compaction, rutting and erosion, which can potentially decrease crop yields. Improper water discharge can lead to erosion and sedimentation. Monitoring of potential effects on exposed soils should occur by Enbridge's on-site inspection team.



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7.1.2 Water Wells

In the event that blasting is required for trenching, well owners within 100 m of the preferred pipeline trench should be provided the option to participate in a Water Well Monitoring Program prior to construction to determine preconstruction quality and quantity conditions. Where blasting is not required, wells within a minimum of 10m of the trench, or as recommended by future hydrogeological studies, will qualify for participation in the monitoring program. The water quality and quantity, and levels of participating resident water wells should be monitored in the event a complaint or concern is brought forward.

The proposed monitoring program should include delivery of notification letters to all potential groundwater users within a certain distance of the preferred route. Due to well access limitations and resident's willingness to participate in the Water Well Monitoring Program, it will not be possible to monitor every well within the selected distance. Typically, response rates for this type of request ranges between 10 and 20 percent. The notification letter will detail the proposed pipeline construction and the potential risk of well interference, as well as include appropriate contact information for Enbridge.

Landowner complaints regarding well interference received during or after the construction period, whether the landowner is a participant in the Water Well Monitoring Program or not, should be investigated individually as described in Section 7.2.2.

7.1.3 Watercourse Crossings

An Environmental Inspector should be on-site during sensitive watercourse and wetland crossings to monitor adherence to specifications and site plans. In particular, the Environmental Inspector should monitor that pre-construction preparation is complete prior to commencement of any work and that the floodplain conditions are restored to as close to preconstruction conditions as possible. The Environmental Inspector should be responsible for monitoring weather forecasts prior to the crossing to conditions are appropriate for the crossing technique.

Follow-up inspections, three (3) months and 15 months after construction following spring runoff, should be completed to review effectiveness of the fill regulated area re-vegetation program, to check bank and slope stability and to ensure floodplain drainage has been maintained. Appropriate remediation measures should be completed as necessary, and additional follow-up monitoring should be conducted.

7.1.4 Vegetation and Wetlands

During pre-construction clearing and construction, the Environmental Inspector should monitor the limits of clearing so as not to damage adjacent vegetation. The Environmental Inspector should identify any trees that pose a potential hazard and may require removal. If clearing is to be completed during the bird nesting season, nest sweeps should be completed no later than seven days prior to clearing activities. In addition, prior to any tree removals it is recommended that a Butternut Survey and a bat maternity roosting survey be completed to confirm the presence or absence of this species within the work area.



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Establishment of vegetative cover should be monitored. Sediment control fencing and other protective measures should be retained in place until cover is fully established. Should any new trees be planted as part of compensation plans, a year following construction, any planted trees should be inspected for survival. In areas of severe dieback or in areas serving important environmental functions (e.g., riparian or slope cover), dead and diseased trees should be replaced. Enbridge's inspection program should include annual monitoring until the new plantings are healthy and established.

7.1.5 Wildlife

Should the presence of species at-risk be identified within the Study Area, construction monitoring will need to be undertaken. The exact nature of monitoring will be determined in consultation with the MECP.

7.1.6 Residents and Businesses

Construction activities may impact directly affected landowners and surrounding residents and businesses. During construction, a designated Enbridge Gas representative should be available to monitor and respond to requests and concerns voiced by residents and business owners. Landowners affected by construction should be notified in advance of construction activities in their area, as feasible. The notification should provide the contact information for a designated Enbridge Gas representative.

Enbridge Gas's on-site inspection team should also monitor the contractors' implementation of the Traffic Management Plan (TMP), to see that site access to residences and businesses has been maintained and that traffic is not being unnecessarily interrupted.

While efforts will be undertaken to reduce impacts, a comment tracking system should also be implemented. An Enbridge Gas representative should record the time and date of calls, the nature of the concern, the corrective action taken, and the time and date of follow-up contact.

Following completion of construction, Enbridge Gas should contact residents and businesses along the easement to continue ongoing communications where necessary. During the first 15 months particular attention should be paid to monitoring and documenting impacts associated with construction of the proposed pipeline.

7.1.7 Municipal Roads

Roads affected by pipeline construction should be restored to their pre-construction conditions to the satisfaction of the appropriate authorities' engineers. Road Superintendents should be given an opportunity to inspect any repairs or modifications. Once re-established, the crossing location of roads should be monitored following heavy rain events, and a year after construction following spring runoff, to ensure no road subsidence or major rutting has occurred and that the drainage system is functioning properly.



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7.2 CONTINGENCY

Contingency planning is necessary to prevent a delayed or ineffective response to unexpected events or conditions that may occur during construction of the proposed pipeline. An essential element of contingency planning is the preparation of plans and procedures that can be activated if unexpected events occur. The absence of contingency plans may result in short or long term environmental impacts and possibly threaten public safety.

The following unexpected events require contingency planning during construction: adverse weather causing watercourse sedimentation, human error causing accidental spills, and the discovery of unexpected finds. Although unexpected problems are not anticipated to occur during construction, Enbridge and the pipeline contractor should be prepared to take action. Construction personnel should be made aware of and know how to implement contingency measures.

7.2.1 Inadvertent Returns During HDD

The best way to avoid inadvertent returns is to monitor drilling operations continuously with experienced personnel trained in all aspects of the HDD process. Drilling fluid is used during the advancement of the drill string to erode the formation, aid in stabilizing the bore hole and carry drill cuttings to the bore entry or exit. The viscosity and pressure of the drilling fluid is adjusted throughout the procedure to manage the HDD process. Jetting pressures will be limited to avoid a drilling fluid release (i.e., inadvertent return) during drilling. However, should a release of drilling fluid occur in the Project area an inadvertent return contingency plan should be implemented. Specifics of the contingency plan will be detailed in the project specific EPP.

7.2.2 Private Water Well Complaint

Construction dewatering, vibration or drilling mud interference with the formation or well itself could affect groundwater quality, quantity or possibly cause damage to a well. With proper implementation of the mitigation and protective measures outlined in Section 3.2.3, construction related activities are not expected to have long-term adverse effects upon the groundwater regime nor private wells along the preferred route. However, the Private Water Well Complaint contingency plan has been prepared should potential residential well complaints arise during or after construction. The depth and existing condition of a given well is a significant factor in whether the well may be adversely impacted by nearby construction activities. The objective of any investigation related to interference of private water supply is to expediently and courteously respond to the resident and ultimately arrive at a resolution that is agreeable to both Enbridge and the well owner.

In the event a resident registers a complaint with Enbridge regarding a reduction of well water quality and/or quantity, Enbridge will offer to arrange immediate provision of temporary potable or non-potable water, depending on the resident's needs, until the matter is resolved. Enbridge will also offer to have a qualified hydrogeologist complete a well inspection, subject to the well owner granting permission. The hydrogeologist will visit the site to discuss the complaint with the resident and inspect the well and related



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complaint to the extent possible. The hydrogeologist will then provide advice to Enbridge on further assessment if required, or advice on possible remedial options should they determine that the complaint may be related to the construction works.

7.2.3 Contaminated Sites (Suspect Soils Program)

Efforts have been made to identify potentially contaminated sites in the vicinity of the preferred route through a review of readily available information. Through circulation of the ER, the MECP will have an opportunity to review the preferred pipeline routes in the event that other unknown areas of potential contamination may exist.

Regardless, the potential exists for unknown material to be encountered during construction. If evidence of potential contamination is found, such as buried tanks, drums, oil residue or gaseous odour, construction should cease and Enbridge Suspect Soil Program should be implemented.

Enbridge's Suspect Soil Program will be implemented if contaminated soils that are encountered during construction.

In the event that potentially contaminated sites are encountered, the on-site contractor supervisor and owner representative should be notified immediately, as well as Enbridge's Environment Department.

In the event that previously unknown materials or contaminated soils are uncovered or suspected of being uncovered, construction in the find location should cease immediately. In such an instance, Enbridge Gas should retain expert advice on assessing and developing a plan to include soil sampling, handling, disposal and remediation.

7.2.4 Watercourse Sedimentation

Even with properly installed erosion and sedimentation control measures, extreme runoff events could result in collapse of silt fencing, overflow or bypass of barriers, slope or trench failures, and other problems which could lead to sedimentation of watercourses.

If sedimentation of a watercourse occurs, immediate action should be taken to install temporary measures that will contain the erosion as quickly as practical. When site conditions permit, permanent protection measures should be installed on erosion susceptible surfaces. If the erosion and sedimentation results from a construction-related activity, the activity should be halted immediately until the situation is rectified.



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7.2.5 Accidental Spills

During construction, an accidental spill (including of sediment and drilling fluid) may occur. The impact of the spill will depend upon the magnitude and extent of the spill, and the environmental and socioeconomic conditions in which it takes place. Upon release of a hydrocarbon-based construction fluid, Enbridge should immediately determine the magnitude and extent of the spill and rapidly take measures to contain it. Release of sediment and drilling fluid should also be treated as a potential spill depending on the magnitude and extent. Spills should be immediately reported to Enbridge's on-site inspection team and Environment Department. If necessary, the MECP Spills Action Center should be notified at 1-800-268-6060. The regional municipality, Parks Canada and the DFO should also be notified.

A Spills Response Plan should be developed, reviewed with personnel, and posted in site trailers. Spill containment equipment should be readily available, especially near watercourses. Personnel should be trained in the use of spill containment equipment.

Should a spill occur in the Project area the spill response contingency plan should be implemented. Specifics of the contingency plan will be detailed in the Project specific EPP.

7.2.6 Unexpected Finds: Archaeological or Heritage Resources

Should previously unknown archaeological or heritage resources be uncovered or suspected of being uncovered during construction, ground disturbance in the find location should cease immediately. The MHSTCI and an archaeologist licensed in the Province of Ontario as well as affected Indigenous communities should be notified immediately. A site-specific response plan should then be employed following further investigation of the specific find. The response plan would indicate under which conditions the ground disturbance activity in the find location may resume.

In the event that human remains are uncovered or suspected of being uncovered during ground disturbance, the above measures should be implemented along with notifying local police, the coroner's office, affected Indigenous communities, and the Cemeteries Regulation Unit of the Ontario Ministry of Government and Consumer Services (1-800-889-9768).

Enbridge is committed to keeping interested Indigenous communities engaged on any unearthed artifacts and/or human remains discovered in relation to our projects



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8.0 CONCLUSION

The ER investigates data on the physical, biophysical, and socio-economic environment within the Study Area and along the preferred pipeline route. In the opinion of Stantec, the recommended program of supplemental studies, mitigation, protective and contingency measures are considered appropriate to protect the features encountered. Monitoring will assess that mitigation and protective measures have been effective in both the short and long term.

With the implementation of the recommendations in the ER, ongoing communication and consultation, and adherence to permit, regulatory and legislative requirements, potential adverse residual environmental and socio-economic impacts of this Project are not anticipated to be significant.



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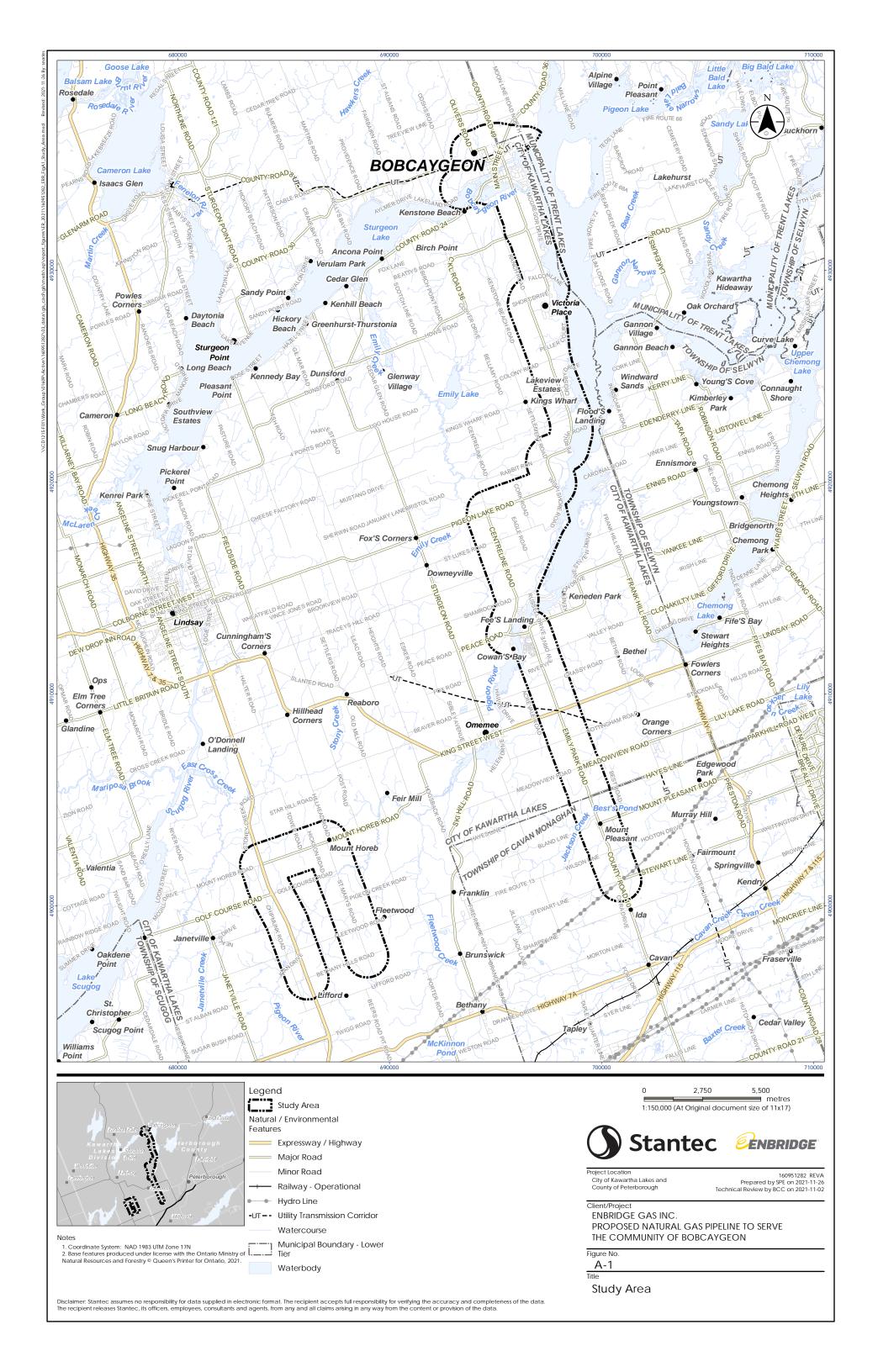
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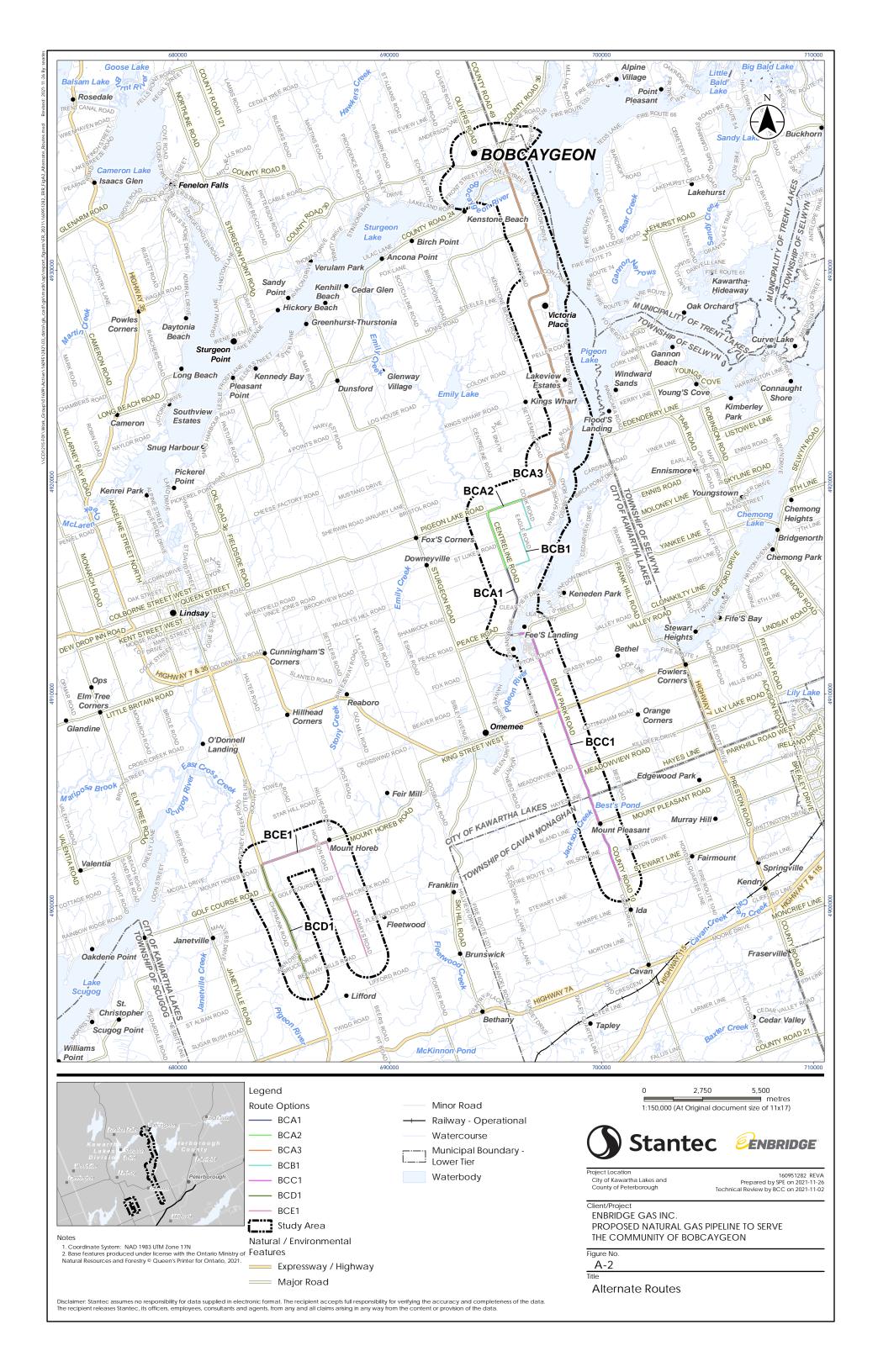
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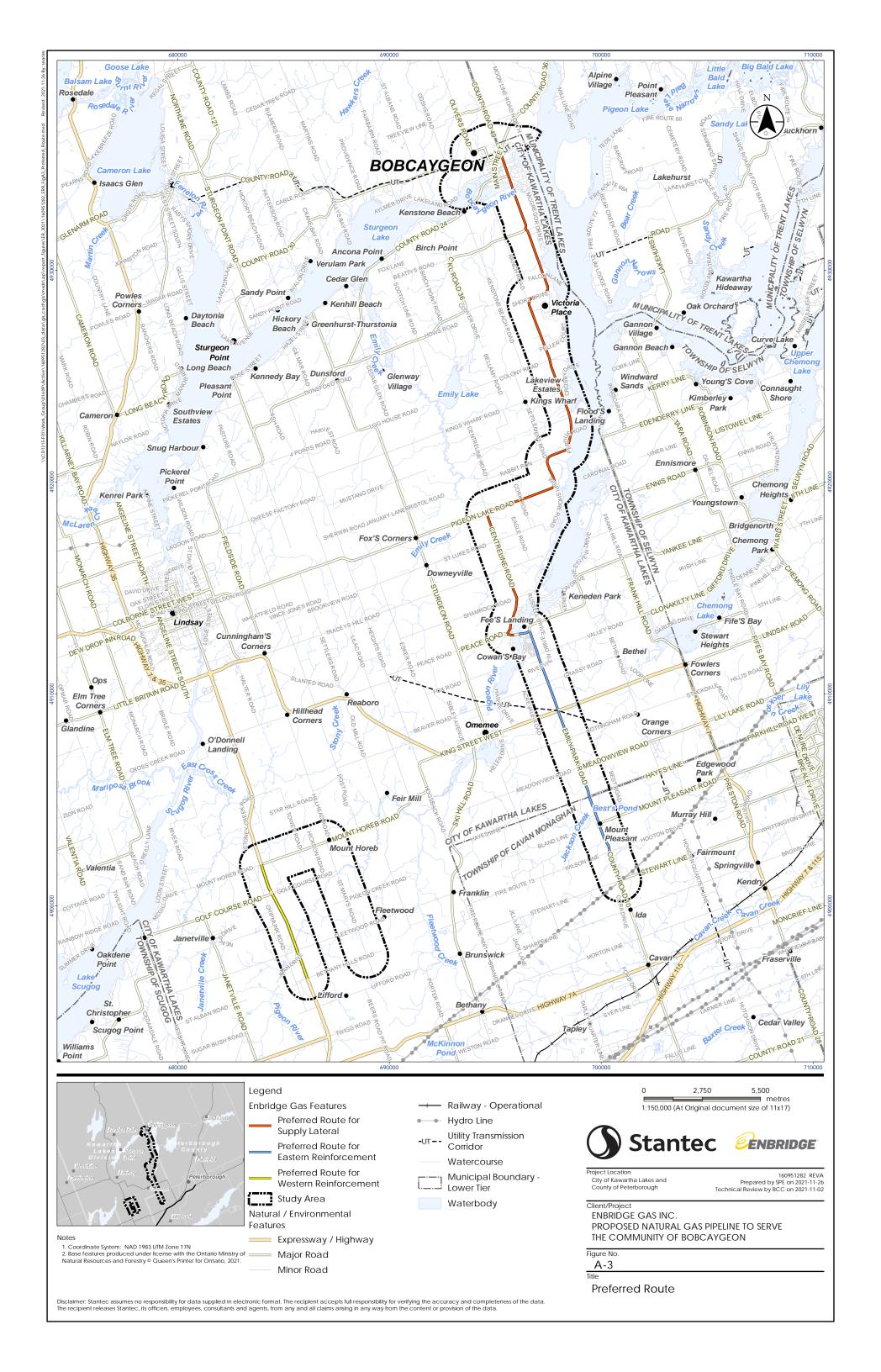
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APPENDIX A: ROUTE FIGURES







APPENDIX B: CONSULTATION

TITLE	FIRST NAME	SURNAME	ORGANIZATION	DEPARTMENT	POSITION	ADDRESS	CITY/TOWN	PROVINCE	POSTAL	TELEPHONE	FAX	E-MAIL
LECTED O	FFICIALS								CODE			
Mr.	Jamie	Schmale	Constituency Office	Haliburton-Kawartha Lakes-Brock	MP	68 McLaughlin Road, Unit #1	Lindsay	ON	K9V 6B5	705-324-2400	705-324-0880	jamie.schmale@parl.gc.ca
Ms.		Scott	Constituency Office	Haliburton-Kawartha Lakes-Brock	MPP	14 Lindsay Street North	Lindsay	ON	K9V 1T4	1-800-424-2490	705-324-6938	laurie.scottco@pc.ola.org
Mr.		Smith	Constituency Office	Peterborough-Kawartha	MPP	1123 Water Street, Unit 4	Peterborough	ON	K9H 3P7	705-742-3777	705-742-1822	dave.smith@pc.ola.org
Ms		Monsef	Constituency Office	Peterborough-Kawartha	MP	417 Bethune Street, Suite 4	Peterborough	ON	K9H 3Z1	705-745-2108	705-741-4123	Maryam.Monsef@parl.gc.ca
EDERAL A		Wichiden	ochodiachey chiec	i otorborough nuwurin		The Boundary Guide 4	recorborough	011	11011021	700 740 2100	700 741 4120	war yam.wonoonee pari.go.oo
	1	Dobos	Environment and Climate Change Canada	Environmental Protection Operations Division - Ontario Region	Manager, Environmental Assessment Section	867 Lakeshore Rd	Burlington	ON	L7S 1A1	905-336-4953	905-336-8901	rob.dobos@canada.ca
		Dafoe	Environment and Climate Change Canada	Environmental Assessment Section	Senior Environmental Assessment Officer	351 boul. Saint-Joseph, 17th Floor, Office 17065	Gatineau	QC	K1A 0Hs	300 000 4000	000 000 0001	donna.dafoe@canada.ca
		Smid	Environment and Climate Change Canada	Canadian Wildlife Services - SAR Implementation	Manager, Species at Risk Protections	351 boul. Saint-Joseph, 15th Floor, Office 15004	Gatineau	QC	K1A 0H3			borden.smid@canada.ca
		Ma	Health Canada	Environmental Health Program - Ontario Region	Regional Environmental Assessment Coordinator	331 Boul. Saint-Soseph, 13th Floor, Office 13004	Gaurieau	QC	KIAUIIS	416-954-2206		kitty.ma@canada.ca
vis.	-				-							
VIS		lliescu	Health Canada	Environmental Assessment Division	Environmental Assessment Coordinator	4000 Varian Christ Ath Files	T	ON	MONICAE	613-952-4653		alexandra.iliescu@canada.ca
To whom it m			Transport Canada	Ontario Region	Environmental Assessment Coordinator	4900 Yonge Street, 4th Floor	Toronto	ON	M2N 6A5		540,000,4000	EnviroOnt@tc.gc.ca
Γο whom it m	·		Transport Canada	Navigation Protection Program - Ontario Region	Regional Manager	100 S Front Street, 1st Floor	Sarnia	ON	N7T 2M4	519-383-1863	519-383-1989	NPPONT-PPNONT@tc.gc.ca
vis.		Eddy	Fisheries and Oceans Canada	Fisheries Protection Program	Senior Fisheries Protection Biologist	867 Lakeshore Rd, PO Box 5050	Burlington	ON	L7R 4A6	905- 336-4535	905-336-4447	sara.eddy@dfo-mpo.gc.ca
vis.		McEachern	Parks Canada	Trent-Severn Waterway National Historic Site of Canada	Senior Realty Advisor, Ontario Waterways	2155 Ashburnham Drive, PO Box 567	Peterborough	ON	K9J 6Z6	705-750-4924	705-742-9644	Beth.McEachern@pc.gc.ca
Ms.		Bunting	Parks Canada	Trent-Severn Waterway National Historic Site of Canada	Resources Management Officer	2155 Ashburnham Drive	Peterborough	ON	K9J 6Z6	705-750-4959		sarah.bunting@pc.gc.ca
ONTARIO PI	PELINE COORDI	INATING COMM		T	T	T	T	1	1	1	Г	T
vis.	Zora	Crnojacki	Ontario Energy Board	Ontario Pipeline Coordinating Committee	Project Advisor, Applications and Regulatory Audit	2300 Yonge Street, 26th Floor, PO Box 2319	Toronto		M4P 1E4	416-440-8104	416-440-7656	Zora.Crnojacki@oeb.ca
Ms.	Helma	Geerts	Ministry of Agriculture, Food and Rural Affairs	Ontario Pipeline Coordinating Committee	Land Use Policy & Stewardship	1 Stone Road West, 3rd Floor, SE	Guelph	ON	N1G 4Y2	519-546-7423		helma.geerts@ontario.ca
Mr.	James	Hamilton	Ministry of Heritage, Sport, Tourism, and Culture Industries	Ontario Pipeline Coordinating Committee	Manager, Heritage Planning Unit	400 University Avenue, 5th Floor	Toronto	ON	M7A 2R9	416-995-8404		james.hamilton@ontario.ca
Mr.	Tony	DiFabio	Ministry of Transportation	Ontario Pipeline Coordinating Committee	Senior Planner and Policy Advisor, Corridor Management and Property Office	301 St Paul Street, Garden City Tower, 2nd Floor	St. Catharines	ON	L2R 7R4	905-704-2656		tony.difabio@ontario.ca
Mr.	Kourosh	Manouchehri	Technical Standards and Safety Authority	Ontario Pipeline Coordinating Committee	management and respecty office	345 Carlingview Drive	Toronto	ON	M9W 6N9	416-734-33539	416-231-7525	kmanouchehri@tssa.org
Ms.	Keith ,	Johnston	Ministry of Northern Development, Mines, Natural	Ontario Pipeline Coordinating Committee	Environmental Planning Team Lead (Acting), Land	300 Water St, 3rd Floor	Peterborough	ON	K9J 3C7	705-313-6960		keith.johnston@ontario.ca
			Resources and Forestry		Use and Environmental Planning Section Manager, Community Planning and Development,	<u> </u>						
vir.		Elms	Ministry of Municipal Affairs and Housing	Ontario Pipeline Coordinating Committee	Eastern Municipal Services Office	8 Estate Lane, Rockwood House	Kingston	ON	K7M 9A8	613-545-2132		michael.elms@ontario.ca
Mr.	Jason	McCullough	Ministry of Energy	Ontario Pipeline Coordinating Committee	Senior Advisor, Indigenous Energy Policy Unit Regional Contact Eastern - Supervisor, Air, Pesticides	77 Greenville Street, 6th Floor	Toronto	ON	M7A 2C1	416-526-2693		jason.mccullough@ontario.ca
Ms.	Ruth	Orwin	Ministry of Environment, Conservation and Parks	Ontario Pipeline Coordinating Committee	and Environmental Planning	133 Dalton Ave, PO Box 22032	Kingston	ON	K7L 4X6	613-549-4000	613-548-6908	ruth.orwin@ontario.ca
Ms.	Debbie	Scanlon	Ministry of Environment, Conservation and Parks	Ontario Pipeline Coordinating Committee	Manager, Approvals Section, Source Protection Program Branch	40 St. Clair Ave. W., 14th Floor	Toronto	ON		647-627-5917		sourceprotectionscreening@ontario.ca
Mr.	Cory	Ostrowka	Infrastructure Ontario	Ontario Pipeline Coordinating Committee	Environmental Specialist	1 Dundas St W, Suite 2000	Toronto	ON	M5G 2L5	647-264-3331		cory.ostrowka@infrastructureontario.ca
PROVINCIAL	AGENCIES									•	'	•
Mr.	Jason	Yakelashek	Ministry of Environment, Conservation and Parks	Land and Water Division	Park Superintendent - Emily Provincial Park	c/o Emily Provincial Park, 797 County Road 10, PO Box 340, RR 4	Omemee	ON	K0L 2W0	705-799-5170 ext. 222		jason.yakelashek@ontario.ca
Ms.	Ellen	Klupfel	Ministry of Environment, Conservation and Parks	Central Region, Water Supervisor	Water Resources Unit Supervisor (A)	5775 Young St, 9th Flr	Toronto	ON	M2M 4J1	437-216-5233		ellen.klupfel@ontario.ca
Mr.	Peter I	Brown	Ministry of Environment, Conservation and Parks	Environmental Assessment Branch - Indigenous Consultation	Senior Aboriginal Consultation Advisor	135 St Clair Ave W, 1st Floor	Toronto	ON	M4V 1P5	416-314-0149		peter.brown@ontario.ca
Γο whom it m	ay concern		Ministry of Environment, Conservation and Parks	Species at Risk Branch		40 St. Clair Ave. W., 14th Floor	Toronto	ON	M4V 1M2			SAROntario@ontario.ca
Ms.	Cassandra	Young	Ministry of Environment, Conservation and Parks	Ontario Parks Branch	Assistant Park Planner					519-873-4630		cassandra.young2@ontario.ca
Mr.	Jon	Orpana	Ministry of Environment, Conservation and Parks	Environmental Assessment Branch - Eastern Region	EA & P Coordinator	1259 Gardiners Rd., PO Box 22032	Kingston	ON	K7M 8S5	613-548-6918	613-548-6098	jon.orpana@ontario.ca
Mr.	David I	Bradley	Ministry of Environment, Conservation and Parks	Peterborough District	District Manager	300 Water Street, Robinson Place, S. Tower, 2nd Floor	Peterborough	ON	K9J 3C7	705-927-6165		david.bradley@ontario.ca
Mr.	Peter I	Makula	Ministry of Transportation	Engineering Office, Eastern Region	Manager	1355 John Counter Blvd, PO Box 4000	Kingston	ON	K7L 5A3	613-329-5523		peter.makula@ontario.ca
Mr.	Michael I	Helfinger	Ministry of Economic Development, Job Creation and	Strategic and Corporate Policy Branch	Senior Policy Advisor	56 Wellesley Street W, 11th Floor	Toronto	ON	M5S 2S3	416-434-4799		michael.helfinger@ontario.ca
Ms.		Spang	Trade Ministry of Northern Development, Mines, Natural Resources and Forestry	Peterborough District	District Planner	300 Water St, South Tower, 1st Floor	Peterborough	ON	K9J 8M5	705-755-3360	705-755-3125	elizabeth.spang@ontario.ca
Ms.		Eckert	Ministry of Agriculture, Food and Rural Affairs	Land Use Policy & Stewardship	Rural Planner	6484 Wellington Road 7 - Unit 10	Elora	ON	N0B 1S0	519-872-6040		anneleis.eckert@ontario.ca
		Perry	Ministry of Energy, Northern Development and Mines	Strategic Support Unit	Manager (A)	933 Ramsey Lake Rd, Willet Green Miller Centre, 2nd Floor	Sudbury	ON	P3E 6B5	705-690-0026		mary.perry@ontario.ca
-		Tolles	Ministry of Transportation	Corridor Management Section	Senior Project Manager - East	1355 John Counter Blvd, PO Box 4000	Kingston	ON	K7L 5A3	613-545-4744		cheryl.tolles@ontario.ca
	-	Brown	Infrastructure Ontario		Environmental Specialist	14 Gable Lane	Kingston	ON	K7M 9A7	343-302-7392	1	joanna.brown@infrastructureontario.ca
		Barboza	Ministry of Tourism, Culture and Sport	Culture Services Unit	Team Lead - Heritage (Acting)	401 Bay Street, Suite 1700	Toronto	ON	M7A 0A7	416-314-7120		karla.barboza@ontario.ca
Ms		Wong	Ontario Power Generation	Corporate Programs	Senior Environmental Specialist	700 University Ave	Toronto	ON	M5G 1X6	416-592-4548		tammy.wong@opg.com
v10.				Research and Program Evaluation Unit / Research Planning &							-	
vis.		Davey	Ontario Provincial Police	Analysis Section	Administrative Assistant	777 Memorial Avenue, 1st Floor	Orillia	ON	L3V 7V3	705-329-6825		jennifer.davey@opp.ca
GOVERNME	1		GINAL INFORMATION	T	T	T	T	1	1			Т
√ls.	Lise	Chabot	Indigenous Affairs	Ministry Partnerships Unit	Manager	160 Bloor Street East, Suite 400	Toronto	ON	M7A 2E6	416-325-4044		lise.chabot@ontario.ca



Agencies 1 of 2

TITLE	FIRST NAME	SURNAME	ORGANIZATION	DEPARTMENT	POSITION	ADDRESS	CITY/TOWN	PROVINCE	POSTAL	TELEPHONE	FAX	E-MAIL
Ms.	Caroline	Vachon	Crown-Indigenous Relations and Northern Affairs Canada	Treaties and Aboriginal Government	Correspondence Coordinator	10 Wellington Street	Gatineau	QC	K1A 0H4	819-360-2503	819-953-3246	caroline.vachon2@canada.ca
CITY OF K	AWARTHA LAKES	S (SINGLE TIER	MUNICIPALITY)				•	-1	•	-	•	
Mr.	Andy	Letham	City of Kawartha Lakes	Office of the Mayor	Mayor	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 131	0	aletham@kawarthalakes.ca
Mr.	Ron	Taylor	City of Kawartha Lakes	Office of the Chief Administrative Officer	Chief Administrative Officer	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 126	705-324-5417	rtaylor@kawarthalakes.ca
Ms.	Juan	Rojas	City of Kawartha Lakes	Development Services - Engineering	Director of Engineering and Corporate Assists	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 115	1	jrojas@kawarthalakes.ca
Mr.	Bryan	Robinson	City of Kawartha Lakes		Director of Public Works	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 114	3	brobinson@kawarthalakes.ca
Ms.	Kathleen	Seymour-Fagan	City of Kawartha Lakes	City Councillor	Councillor - Ward 2	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	2	kseymourfagan@kawarthalakes.ca
Mr.	Doug	Elmslie	City of Kawartha Lakes	City Councillor	Councillor - Ward 3	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	3	delmslie@kawarthalakes.ca
Ms.	Pat	Dunn	City of Kawartha Lakes	City Councillor	Councillor - Ward 5	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	5	pdunn@kawarthalakes.ca
Mr.	Ron	Ashmore	City of Kawartha Lakes	City Councillor	Councillor - Ward 6	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	6	rashmore@kawarthalakes.ca
Mr.	Patrick	O'Reilly	City of Kawartha Lakes	City Councillor	Councillor - Ward 7	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	7	poreilly@kawarthalakes.ca
Ms.	Tracy	Richardson	City of Kawartha Lakes	City Councillor	Councillor - Ward 8	26 Francis St, PO Box 9000	Lindsay	ON	K9V 5R8	705-324-9411 ext. 380	8	trichardson@kawarthalakes.ca
Mr.	Mark	Mitchell	City of Kawartha Lakes	Kawartha Lakes Police Service	Chief of Police	6 Victoria Ave. N	Lindsay	ON	K9V 4E5	705-324-5252		info@klps.ca
Mr.	Mark	Pankurst	Kawartha Lakes Fire and Rescue Service		Fire Chief	9 Cambridge St N	Lindsay	ON	K9V 4C4	705-324-5731 ext. 520		mpankhurst@kawarthalakes.ca
Mr.	Randy	Mellow	City of Kawartha Lakes Paramedic Service	Paramedic Service	Chief of Paramedic Service	4 Victoria Ave N	Lindsay	ON	K9V 0K6	705-324-9411 ext. 3310	0	rmellow@kawarthalakes.ca
TOWNSHIP	OF CAVAN MON	IAGHAN (SINGL	E TIER MUNICIPALITY)									
Ms.	Karen	Ellis	Township of Cavan Monaghan	Building/By-law/Planning/Economic Development	Director of Planning	988 County Road 10	Millbrook	ON	L0A 1G0	705-932-9334		kellis@cavanmonaghan.net
Mr.	Scott	McFadden	Township of Cavan Monaghan		Mayor	988 County Road 10	Millbrook	ON	L0A 1G0	705-201-1026		mayor@cavanmonaghan.net
Mr.	Matthew	Graham	Township of Cavan Monaghan		Deputy Mayor	988 County Road 10	Millbrook	ON	L0A 1G0	705-418-1628		mgraham@cavanmonaghan.net
Ms.	Cathy	Moore	Township of Cavan Monaghan		City Councillor - Cavan Ward	988 County Road 10	Millbrook	ON	L0A 1G0	705-760-3554		cmoore@cavanmonaghan.net
Mr.	Wayne	Hancock	Township of Cavan Monaghan	Public Works	Director of Public Works	988 County Road 10	Millbrook	ON	L0A 1G0	705-932-9327		whancock@cavanmonaghan.net
Ms.	Cindy	Page	Township of Cavan Monaghan	Administration	Clerk	988 County Road 10	Millbrook	ON	L0A 1G0	705-932-9326		cpage@cavanmonaghan.net
CONSERV	ATION AUTHORIT	TIES										
Mr.	Mark	Majchrowski	Kawartha Conservation Authority		Chief Administrative Officer	277 Kenrei (Park) Road	Lindsay	ON	K9V 4R1	705-328-2271 ext. 215	905-579-0994	mmajchrowski@kawarthaconservation.com
Ms.	Ashley	Chlebak	Kawartha Conservation Authority	Planning, Development and Engineering	Regulations & Permitting Technician	277 Kenrei (Park) Road	Lindsay	ON	K9V 4R1	705-328-2271 ext. 231		achlebak@kawarthaconservation.com
Ms.	Lori	Moloney	Otonabee Conservation	Plan Review and Permitting Services	Administrative Assistant	250 Milroy Drive	Peterborough	ON	K9H 7M9	705-745-5791 ext. 230		Imoloney@otonabeeconservation.com
Mr.	Dan	Marinigh	Otonabee Conservation		Chief Administrative Officer / Secretary-Treasurer	250 Milroy Drive	Peterborough	ON	K9H 7M9	705-745-5791 ext. 222		dmarinigh@otonabeeconservation.com
INTEREST	GROUPS/OTHER	l										
To whom it i	may concern		Truth and Reconciliation Community Bobcaygeon									trcbobcaygeon@gmail.com
Mr.	Arthur	Gladstone	Kawartha Field Naturalists		President	PO Box 133	Coboconk	ON	K0M 1K0			contactus@kawarthafieldnaturalists.org
To whom it i	may concern		Cable Cable Inc.			16 Cable Road	Fenelon Falls	ON	K0M 1N0	705-887-6433	705-887-2580	hello@cablecable.net
Ms.	Catherine	Shedden	Trillium Lakelands District School Board	Director's Office	District Manager of Corporate Communications	P.O. Box 420	Lindsay	ON	K9V 4S4	705-324-6776 ex. 2211	8	catherine.shedden@tldsb.on.ca
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Agencies 2 of 2

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2017 Environmental Report

Enbridge Gas Distribution Inc. Proposed Pipelines to Serve the Community of Bobcaygeon Agency Contact List

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Enbridge Gas Distribution Inc. Proposed Pipelines to Serve the Community of Bobcaygeon Agency Contact List

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	Jennifer	Clinesmith	Otonabee Conservation	Plan Review and Permitting Services	Manager	252 Milroy Drive	Peterborough, Ontario		705-745-5791 ext. 215		jclinesmith@otonabeeconservation.com
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	Julye	Kapyrka		Consultation Department	OTHO!	22 Winookeedaa Road 22 Winookeedaa Road	Curve Lake, ON	KOL 1RO	705-657-8045 705.657.8045 ext 239	/ 03-03/-0/00	JulieK@curvelake.ca
		KUPYIKU		reonsolidilon depunifient		IZZ YYII OONGGOOO KOOO	CUIVE LUKE, UN	NUL IKU		+	chiefcarr@hiawathafn.ca
		Corr	Curve Lake First Nation		Chief		Higwatha ON	VOINE/	705 205 4421		
	Laurie	Carr	Hiawatha First Nation		Chief	123 Paudash Street	Hiawatha, ON	K9J 0E6	705-295-4421		
	Laurie		Hiawatha First Nation Hiawatha First Nation		Lands Resource Worker	123 Paudash Street 123 Paudash Street	Hiawatha, ON	K9J 0E6	705-295-4421	705 205 7121	HFNConsultation@nexicom.net
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nom it may concern	Tom Melanie Chris Kelly Dave	Cowie Vincent Nahrhang LaRocca Mowat	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226	905-985-8828	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugoafirstnation.com consultation@scugoafirstnation.com; dmowat@scugoafirstnation.com
nom it may concern	Laurie Tom Melanie Chris Kelly Dave	Cowie Vincent Nahrhang LaRocca Mowat	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Fenelon Falls, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226	905-985-8828	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocco@scugoafirstnation.com consultation@scugoafirstnation.com; dmowat@scugoafirstnation.com contactus@kawarthafieldnaturalists.org
om it may concern	Tom Melanie Chris Kelly Dave	Cowie Vincent Nahrhang LaRocca Mowat	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St , Box 54031	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4461 905-985-3337, ext. 226 905-985-3337, ext. 263	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugogfirstnation.com consultation@scugogfirstnation.com; dmowat@scugogfirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com
om it may concern	Laurie Tom Melanie Chris Kelly Dave	Cowie Vincent Nahrhang LaRocca Mowat	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Fenelon Falls, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226	905-985-8828	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocco@scugoafirstnation.com consultation@scugoafirstnation.com; dmowat@scugoafirstnation.com contactus@kawarthafieldnaturalists.org
om it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiuron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St , Box 54031	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4461 905-985-3337, ext. 226 905-985-3337, ext. 263	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca metanlevincent21@ychoo.ca info@spiritofthestone.ca klarocca@scugoafirstnation.com consultation@scugoafirstnation.com; dmowat@scugoafirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com
nom it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois Tony	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette Fiorini	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists Cable Cable Inc.		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St , Box 54031	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226 905-985-3337, ext. 263	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanlevincent21@yahoo.ca info@spiritofthestone.ca klaroca@scugoafirstnation.com consultation@scugoafirstnation.com; dmowat@scugoafirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com tonyf@cablecable.net
nom it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois Tony John Laura	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette Fiorini Peters Wood	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists Cable Cable Inc. Bell Canada Bell Canada	Hvdro One Real Estate Management	Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St., Box 54031 16 Cable Road	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON Fenelon Falls, ON	K9J 0E6 K9J 0E6 GOA 4V0 K0L 2H0 L9L 1B6 L9L 1B6 KOM 1N0 L1H 1A9 KOM 1N0	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226 905-985-3337, ext. 263 705-887-6433 ext. 1000 705-876-2332 705-876-2359	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugogfirstnation.com consultation@scugogfirstnation.com; dmowat@scugogfirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com tonvf@cablecable.net neil.gerrard@bell.ca Laura.wood2@bell.ca
nom it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois Tony John Laura Maria	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette Fiorini Peters Wood Agnew	Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists Cable Cable Inc. Bell Canada Bell Canada Hydro One Networks Inc.	Hydro One Real Estate Management Director's Office	Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President President Senior Real Estate Coordinator	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St , Box 54031 16 Cable Road	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON Fenelon Falls, ON Markham, ON	K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6 K0M 1N0 L1H 1A9 K0M 1N0	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226 905-985-3337, ext. 263 705-887-6433 ext. 1000 705-876-2332 705-876-2259 905-946-6275	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugogfirstnation.com consultation@scugogfirstnation.com; dmowat@scugogfirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com tonyf@cablecable.net neil.gerrard@bell.ca Laura.wood2@bell.ca Maria.Agnew@HydroOne.com
nom it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois Tony John Laura	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette Fiorini Peters Wood	Hiawatha First Nation Hivon Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists Cable Cable Inc. Bell Canada Bell Canada Bell Canada Hydro One Networks Inc. Tirilium Lakelands District School Board Peterborough Victoria Northumberland and	Hydro One Real Estate Management Director's Office	Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President President	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St., Box 54031 16 Cable Road	Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON Fenelon Falls, ON	K9J 0E6 K9J 0E6 GOA 4V0 K0L 2H0 L9L 1B6 L9L 1B6 KOM 1N0 L1H 1A9 KOM 1N0	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226 905-985-3337, ext. 263 705-887-6433 ext. 1000 705-876-2332 705-876-2359	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathofn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugogfirstnation.com consultation@scugogfirstnation.com; dmowat@scugogfirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com tonvf@cablecable.net neil.gerrard@bell.ca Laura.wood2@bell.ca
nom it may concern	Laurie Tom Melanie Chris Kelly Dave Lloyd Lois Tony John Laura Maria Larry Michael	Cowie Vincent Nahrhang LaRocca Mowat McEwen Gillette Fiorini Peters Wood Agnew Hope Nasello	Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Hiawatha First Nation Huron Wendat Kawartha Nishnawbe Mississaugas of Scugog Island First Nation Mississaugas of Scugog Island First Nation Kawartha Field Naturalists Durham Region Field Naturalists Cable Cable Inc. Bell Canada Bell Canada Hydro One Networks Inc. Trillium Lakelands District School Board Peterborough Victoria Northumberland and Clarington Catholic District School Board		Lands Resource Worker Core Consultation Worker Project Coordinator Chief Chief Community Consultation Specialist President President President President Director of Education / Secretary Treasurer	123 Paudash Street 123 Paudash Street 123 Paudash Street 123 Paudash Street 53 Rue PO Box 142 22521 Island Road, RR#5 22521 Island Road, RR#5 Box 313 8 King Street E St , Box 54031 16 Cable Road 185 Clegg Road P.O. Box 420 1355 Lansdowne St W	Hiawatha, ON Hiawatha, ON Hiawatha, ON Wendake, QC Lakefield, ON Port Perry, ON Port Perry, ON Fenelon Falls, ON Oshawa, ON Fenelon Falls, ON Markham, ON Lindsay, ON Peterborough, ON	K9J 0E6 K9J 0E6 K9J 0E6 G0A 4V0 K0L 2H0 L9L 1B6 L9L 1B6 K0M 1N0 L1H 1A9 K0M 1N0 L6G 1B7 K9V 4S4 K9J 7M3	705-295-4421 705-295-7773 418-580-4442 705-654-4661 905-985-3337, ext. 226 905-985-3337, ext. 263 705-887-6433 ext. 1000 705-876-2332 705-876-2259 905-946-6275 705-324-6776 ex. 22104 705-748-4861 Ext. 247	905-985-8828 905-985-3337	HFNConsultation@nexicom.net tcowie@hiawathafn.ca melanievincent21@yahoo.ca info@spiritofthestone.ca klarocca@scugogfirstnation.com consultation@scugogfirstnation.com; dmowat@scugogfirstnation.com contactus@kawarthafieldnaturalists.org DRFN1955@hotmail.com tonyf@cablecable.net neil.gerrard@bell.ca Laura.wood2@bell.ca Maria.Agnew@HydroOne.com info@tldsb.on.ca mnasello@pynccdsb.on.ca
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ENBRIDGE GAS DISTRIBUTION INC.

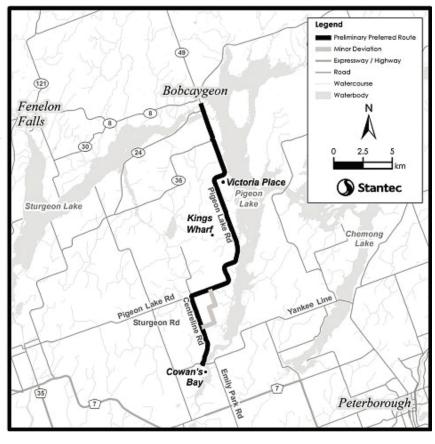
NOTICE OF STUDY COMMENCEMENT AND INFORMATION SESSION PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Enbridge Gas Distribution Inc. ("Enbridge"), is proposing to construct a natural gas pipeline to service the Community of Bobcaygeon. The Bobcaygeon Pipeline Project ("the Project") will include the construction of approximately 27 km of 6-inch natural gas main. The Project will start near Cowan's Drive and Peace Road in Cowan's Bay and conclude near the intersection of Highway 36 and Front Street East in Bobcaygeon. The preferred route will travel from Cowan's Bay, north on County Road 10, east on Pigeon Lake Road (County Road 7) and along County Road 36 until Front Street East in Bobcaygeon. A potential minor deviation to the preferred route travels east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. The general location and study area of the proposed natural gas pipeline is identified on the adjacent map.

As part of the planning process, Enbridge has retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the proposed natural gas pipeline. The environmental study will fulfill the requirements of the Ontario Energy Board's (OEB's) "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, Seventh Edition (2016)".

The environmental study process will include consultation and engagement with landowners, Indigenous communities, government agencies and other interested persons. Public consultation will be an integral component of the environmental study. One Public Information Session regarding the proposed natural gas pipeline will be held in the community of Bobcaygeon, as follows:

July 19, 2017, 5:00 p.m. to 8:00 p.m. Bobcaygeon-Verulam Community Centre
51 Mansfield St, Bobcaygeon ON



Representatives from Enbridge and Stantec will be available to discuss the proposed project and answer questions regarding routing, design and scheduling. Input received will be used to confirm both the existing environmental conditions of the preferred pipeline route and potential minor deviation, and to develop site specific protection or mitigation measures for the Project.

It is anticipated that the environmental study will be completed in September 2017, after which Enbridge will file an application for the proposed project to the OEB. The OEB's review and approval is required before construction of the proposed project can proceed. If approved, construction of the proposed natural gas pipeline is anticipated to begin no earlier than the Spring of 2019.

For any questions or comments regarding the environmental study or the proposed project please do not hesitate to contact the following:

Sarah Kingdon-Benson Environmental Advisor

Enbridge Gas Distribution Inc.

3rd Floor, 101 Honda Blvd, Markham, ON L6C 0M6

Phone: (905) 927-3176 Fax: (905) 927-3293

Email: sarah.kingdon-benson@enbridge.com

Rooly Georgopoulos Senior Project Manager Stantec Consulting Limited 300-675 Cochrane Drive, West Tower,

Markham, ON L3R 0B8 Phone: (905) 415-6367

Fax: (905) 474-9889

Email: BobcaygeonEA@stantec.com













Welcome to Enbridge's Information Session on the Bobcaygeon Pipeline Project

Thank you for coming. We invite you to view the display boards, speak to members of Enbridge Gas Distribution Inc. (Enbridge) and/or Stantec Consulting Ltd. (Stantec), and complete a questionnaire providing your feedback.

Please sign in at the front desk to have your attendance recorded as part of the environmental study and to receive future project updates.

Our Commitment

Enbridge is committed to involving community members in this proposed project. We are dedicated to providing you with up-to-date information in an open, honest and respectful manner and will carefully consider your input.

Enbridge provides safe and reliable delivery of natural gas to more than 2 million residential, commercial, and industrial customers across Ontario. Enbridge is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.











Purpose of the Information Session

The purpose of this Public Information Session is to:

- Consult with the public, Indigenous communities and regulatory authorities regarding the proposed Preliminary Preferred Route, the proposed minor deviations and potential impacts;
- Provide an opportunity for affected landowners and the public to discuss the proposed project with representatives of Enbridge and Stantec. Stantec is an independent environmental consulting company;
- Receive input from affected landowners and the general public regarding any issues to be addressed; and
- Provide updates regarding regulatory changes and government funding that have made the project to serve Bobcaygeon feasible.









Ontario's Natural Gas Grant Program

The Government of Ontario is providing \$100 million under the 2017 Natural Gas Grant Program – part of the province's Moving Ontario Forward plan.

The objective of the Grant Program is to support the building of new natural gas infrastructure to more communities and support projects with economic development potential, especially in First Nations, northern and rural communities.

\$70 million is aimed at providing natural gas access to unserved communities, like Bobcaygeon.

Enbridge will be submitting an application for grant monies under the program to make the Bobcaygeon project possible.

The project will not be possible without grant funding.

The OEB has also established guidelines for community expansion projects. These guidelines allow for a System Expansion Surcharge and a 10-year municipal contribution.









Project Background

Enbridge is proposing to construct a natural gas pipeline to service the Community of Bobcaygeon.

The Bobcaygeon Pipeline Project ("the Project") will include the construction of approximately 27 km of Nominal Pipe Size (NPS) 6 (inch) Extra High Pressure (XHP) and High Pressure Polyethylene (HPPE) steel natural gas main.

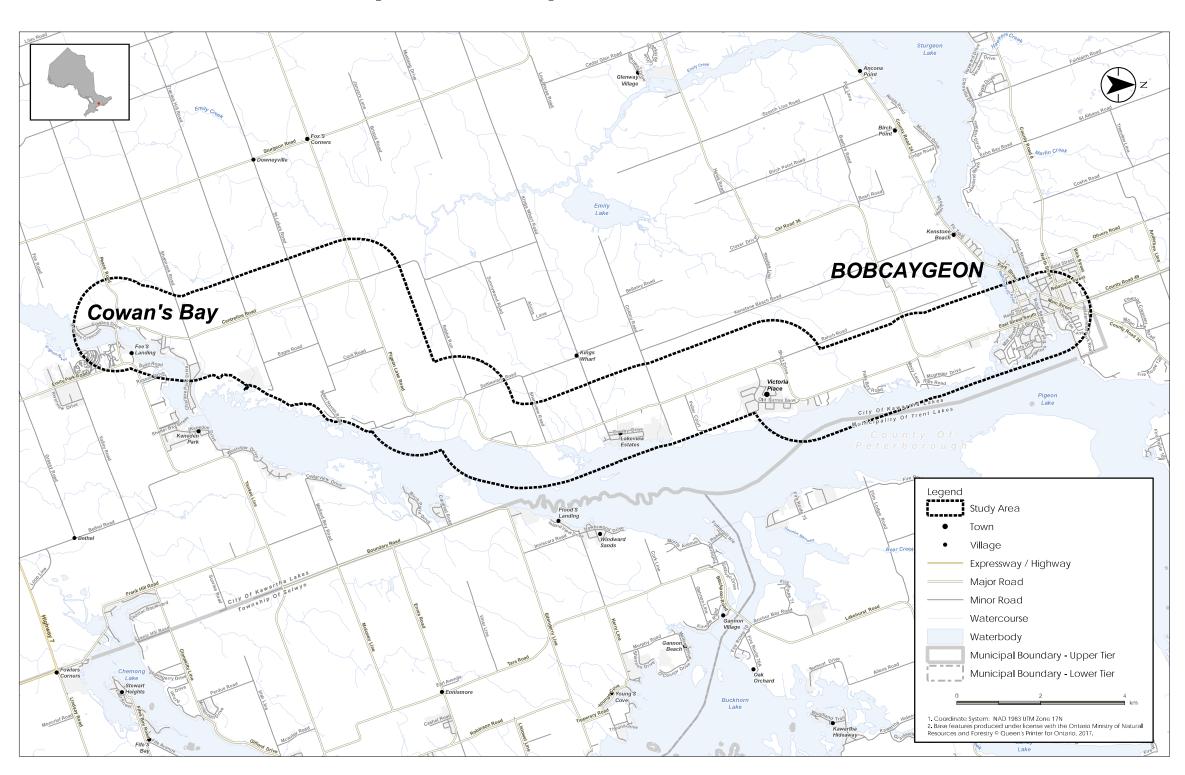
The Project will start near Cowan's Drive and Peace Road in Cowan's Bay and conclude near the intersection of Highway 36 and Front Street East in Bobcaygeon. The preliminary preferred route will travel from Cowan's Bay, north on County Road 10, east on Pigeon Lake Road (County Road 7) and along County Road 36 until Front Street East in Bobcaygeon.

A potential minor deviation to the preferred route travels east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road.





Site Location and Study Area Map











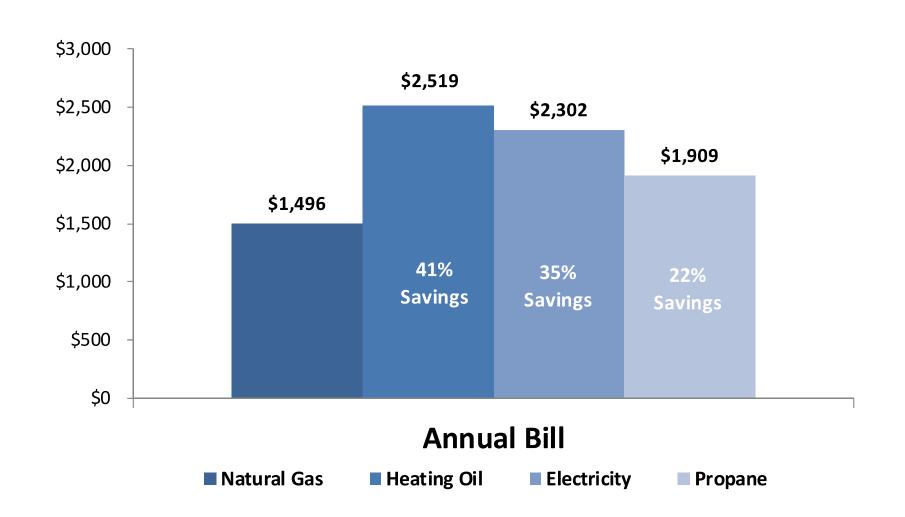
Project Need

Enbridge is re-evaluating the feasibility of expanding the gas distribution system to a number of communities in Ontario. Bobcaygeon, based on its proximity to our existing system, represents an opportunity to bring clean and affordable natural gas to more homes and businesses.

Expansion of the natural gas distribution system is governed by OEB feasibility guidelines. A key component of our work is a full cost-benefit analysis of the project. Enbridge will be required to submit a LTC application to the OEB for project approval if the cost-benefit analysis meets feasibility guidelines. The environmental study will be a key component of the LTC application.







Note: Cost comparison based on Enbridge July 1, 2017 rates with proposed System Expansion Surcharge, anticipated electricity rate reductions and cap and trade impacts.

Disclaimer - December 1, 2021: Cost comparison data on this slide is no longer valid

Natural Gas Expansion

Enbridge Gas Distribution is always exploring the possibility of expanding its distribution system to different areas across Ontario that currently do not have natural gas service

The numerous benefits natural gas has to offer, include:

- Lower energy prices to residents and businesses even with the proposed System Expansion Surcharge ("SES") and Ontario's Fair Hydro Plan;
- Attracting new industry and creating jobs; and
- Creating more affordable commercial transportation and agriculture options.

Enbridge has proceeded with the steps that are involved in extending gas service to the community of Bobcaygeon (market surveys, route selection, environmental assessments, preliminary design and costing, secure Ministry of Infrastructure grant funding and gaining the approval of the Ontario Energy Board)









Environmental Study

The environmental study and subsequent Environmental Report for the proposed project will be completed in accordance with the OEB "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)".

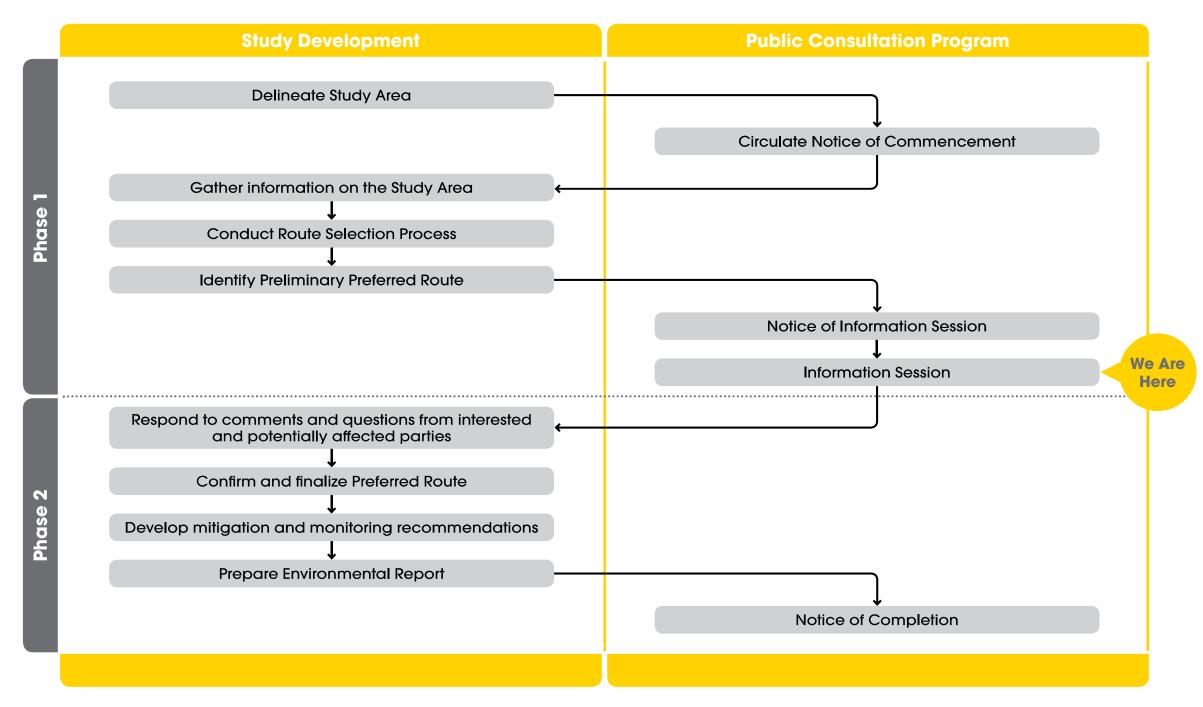
The study will:

- Be undertaken during the earliest phase of the project;
- Identify potential impacts of the construction and operation of the proposed natural gas pipelines on environmental, socio-economic and archaeological features;
- Identify an environmentally acceptable route for the proposed pipeline;
- Undertake consultation to understand the views of interested and potentially affected parties;
- Assess the potential cumulative effects of the project in conjunction with other projects that are planned for the area;
- Develop mitigation and protective measures to avoid or minimize impacts; and
- Develop appropriate inspection, monitoring and follow-up programs for the project, to ensure the success of mitigation and protective measures.





Environmental Study Process











Public Consultation

Public consultation is a key component of the Environmental Report.

The consultation program helps identify and address stakeholder concerns and issues, and provides the public with an opportunity to receive information about the project, and have meaningful participation into the project review and development process.

Public input from this information session will be used to help finalize the preferred pipeline route and mitigation plans to be implemented during construction.

Once the LTC (Leave-to-Construct) application is made to the OEB, any party with an interest in the project, including members of the public, can participate in the process.





Indigenous Peoples Policy

Enbridge recognizes the diversity of Indigenous peoples who live where we work and operate. We understand that the history of Indigenous peoples has included social and economic exclusion, and Enbridge recognizes the importance of reconciliation between Indigenous communities and broader society. Positive relationships with Indigenous peoples, based on mutual respect and focused on achieving common goals, will create constructive outcomes for Indigenous communities and for Enbridge.

Enbridge commits to pursue sustainable relationships with Indigenous communities in proximity to where Enbridge conducts business. To achieve this, Enbridge will govern itself by the following principles:

- We recognize the legal and constitutional rights possessed by Indigenous peoples, and the importance of the relationship between Indigenous peoples and their traditional lands and resources. We commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply, and we commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We recognize the importance of the United Nations
 Declaration on the Rights of Indigenous Peoples in the context
 of existing Canadian law and the protection of indigenous
 peoples under the Canadian Constitution.
- We engage in forthright and sincere consultation with Indigenous peoples about Enbridge's projects and operations

- through processes that seek to achieve early and meaningful engagement so their input can help define our projects that may occur on lands traditionally occupied by Indigenous peoples.
- We commit to working with Indigenous peoples to achieve benefits for them resulting from Enbridge's projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.
- We foster understanding of the history and culture of Indigenous peoples among Enbridge's employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors, and we will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to ensure the effective implementation of the above principles, including the development of implementation strategies and specific action plans.

Enbridge commits to periodically review this policy to ensure it remains relevant and meets changing expectations.











Ontario Energy Board (OEB) and Approval Process

The OEB regulates the natural gas industry in Ontario in the public's interest. Under Section 90 of the *Ontario Energy Board Act*, the OEB's review and approval are required before the project can proceed.

Enbridge plans to complete the report for the environmental study in September of 2017 and pending a feasibility analysis, Enbridge may file a LTC application for the proposed pipelines with the OEB in November 2017. This application will include comprehensive information on the project, including: the need for the project, facility alternatives, project costs and economics, pipeline specifications, pipeline construction, environmental mitigation measures, land requirements, and public, regulator and Indigenous consultation.

The OEB will then hold a public hearing to review the project. Notification of the hearing includes notices in local newspapers and letters to directly affected landowners. The hearing provides an opportunity for the general public and landowners to ask and submit questions regarding the project. Subsequent to the hearing, the OEB will issue a written decision regarding the project.

If the OEB finds the project is in the public interest, it will approve construction of the pipelines. If the project is approved, the OEB normally attaches conditions to its approval with which Enbridge will comply during the construction and post construction restoration process.





Preliminary Preferred Route Selection Process

The Preliminary Preferred Route for the proposed pipeline will be selected through a five-step process.

Step 1

Constraints and Opportunities

Inventory of environmental and socio-economic features.

Generate Route Options

The generation of Route Options is influenced by the following:

n 2

- Avoidance to the extent feasible of sensitive socio-economic and environmental features such as communities, wetlands, etc.
 Avoidance to the extent feasible of areas which may present construction difficulties or the potential for
- Utilizing to the extent feasible existing linear infrastructure, such as hydro corridors, road right-of-ways (ROWs) and property lines.
- The length of the pipeline and associated costs of construction and operation may influence route generation.
- Routes should follow a reasonably direct path between start and end points.

Route Evaluation

An evaluation of the Route Options will be conducted based on:

Step 3

- 1. A quantitative comparative evaluation of impacts to environmental and socio-economic features.
- 2. A qualitative comparative evaluation based on stakeholder input and the experience of the Project Team in routing linear infrastructure.

Once complete, a Preliminary Preferred Route will be identified.

Step 4

Input on the Preliminary Preferred Route

long-term maintenance/remedial work.

The Preliminary Preferred Route is subject to input through a variety of communication and consultation activities, such as an Information Session.

Step 5

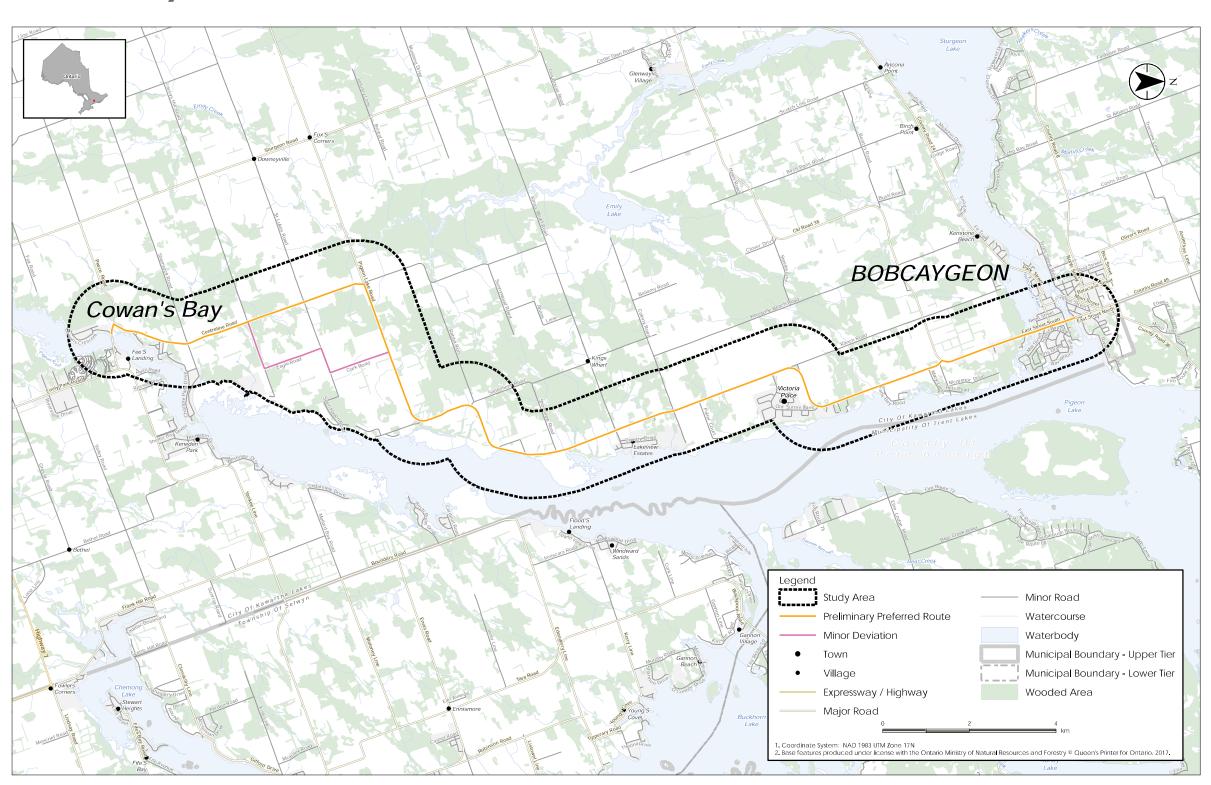
Confirmation of the Preferred Route

A Preferred Route will be confirmed. The Preferred Route may require micro-siting as the project moves forward based on the results of pre-construction field investigations, landowner requests, and/or engineering considerations.





Preliminary Preferred Route and Minor Deviation











Existing Features

Data on existing features for the Study Area has been collected from a number of external sources including but not limited to agencies, aerial photography, official plan mapping, natural features mapping and site visits. This information has been used in the justification of the preliminary preferred route.

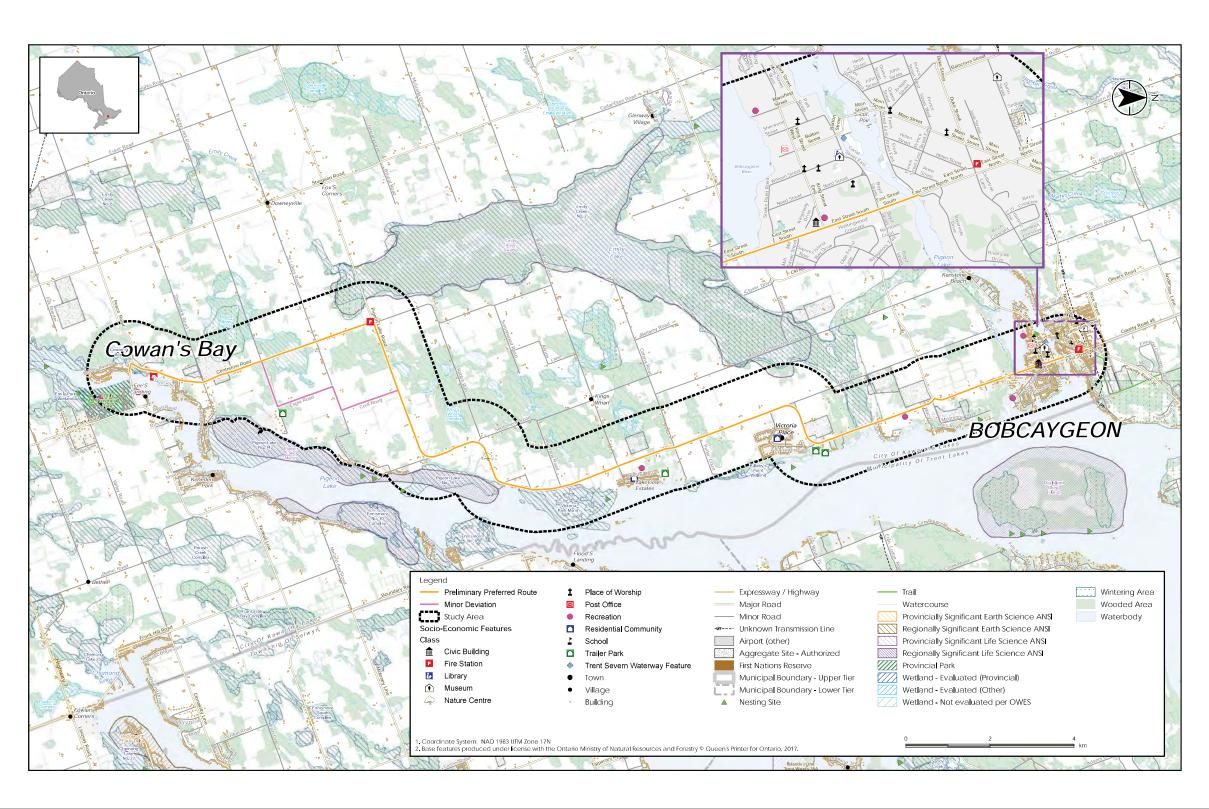
Additional data collection and agency consultation will continue after this Information Session to confirm the Preliminary Preferred Route.

Environmental and socio-economic features within the Study Area, relevant to pipeline planning, construction and operation, have been outlined in the following map. The Preliminary Preferred Route avoids sensitive environmental and socio-economic features where feasible. Where features cannot be avoided, mitigation and protection measures will be employed during pipeline construction and operation.





Natural Environment and Socio-Economic Environment









Environment, Health & Safety Policy

Our Commitment

Enbridge is committed to protecting the health and safety of all individuals affected by our activities, including our employees, contractors and the public. Enbridge will provide a safe and healthy working environment, and will not compromise the health and safety of any individual. Our goal is to have no incidents and mitigate impacts on the environment by working with our stakeholders, peers and others to promote responsible environmental practices and continuous improvement.

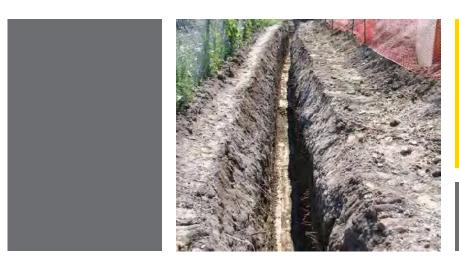
Enbridge is committed to environmental protection and stewardship.

Enbridge recognizes that pollution prevention, biodiversity and resource conservation are key to a sustainable environment, and will effectively integrate these concepts into our business decision-making.

All employees are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.







Enbridge Gas Distribution provides safe, reliable delivery of natural gas.

Pipeline Design

The high-grade steel pipeline is designed to meet and/or exceed the regulations of the Canadian Standards Association (Z662 Oil and Gas Pipeline Systems) and the applicable regulations of the Technical Standards & Safety Association (TSSA).

Pipeline Safety and Integrity

We take many steps to ensure safe, reliable operation of our network of natural gas pipelines, such as:

- Design, construct, and test our pipelines to meet or exceed requirements set by industry standards and regulatory authorities;
- Continuously monitor the entire network; and
- Perform regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.







Enbridge Gas Distribution provides safe, reliable delivery of natural gas.

Pipeline Construction











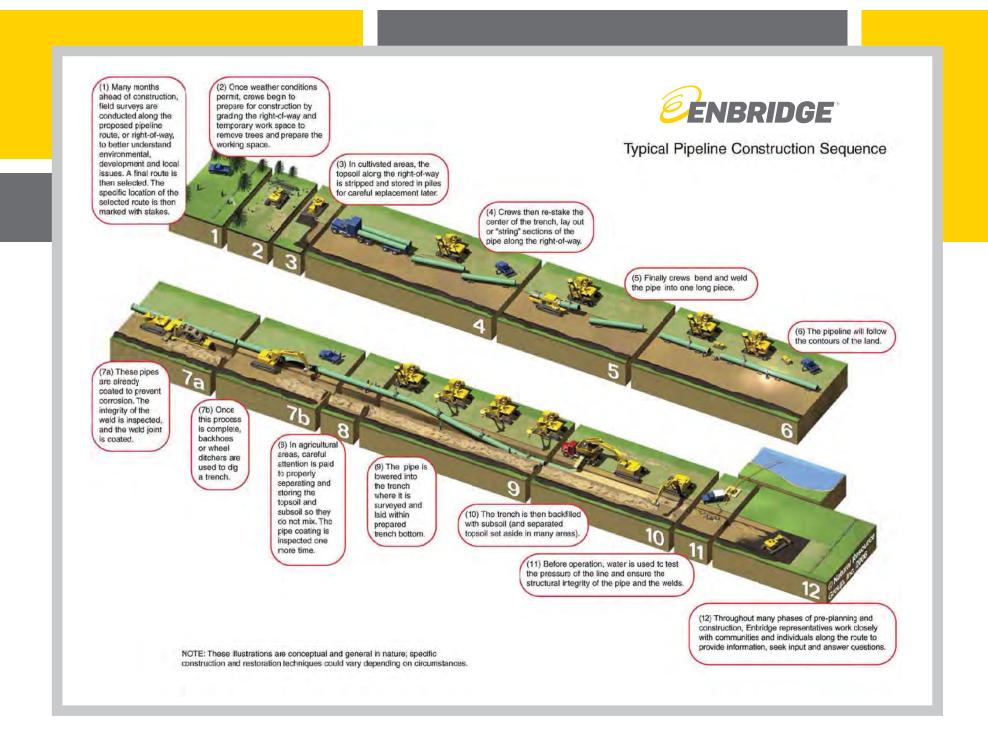




Pipeline Construction

Procedures

- Preparation of the right-of-way (ROW);
- Trenching, pipe delivery, welding together pipe sections, and lowering the pipeline into the trench; and
- Backfilling, pressure testing, clean-up, and long-term monitoring.











Pipeline Construction

Trenching

- Trenches are dug by backhoes or other excavation machines.
- Trench depth is determined by Canadian Standards Association (Z662 Oil and Gas Pipeline Systems) and Enbridge standards.
- Pipelines are usually buried at a minimum depth of approximately 1.0 metre (3.3 feet) from the top of the pipe to the ground surface.
- The amount of open trench at any given time is kept to a minimum to ensure safety and minimize environmental impact.
- Where agriculturally productive lands are encountered, topsoil, and subsoil would be stripped and stockpiled separately to avoid topsoil and subsoil mixing.
- When rock excavation is required, mechanical equipment will be used. Blasting may be required but as a last resort.

Welding

Pipeline welds are examined by a third-party company using radiography (X-rays) before the line is lowered into the trench.

Trenchless Techniques

Horizontal directional drilling or boring may be used to cross under major roads, watercourses, or other pipelines and environmentally sensitive features.

Backfilling

Excavated material is replaced and large stones are removed from the backfill material to prevent pipeline damage. The construction area is carefully cleaned up after the trench is backfilled. All construction materials are removed and cultivated and landscaped areas are restored.







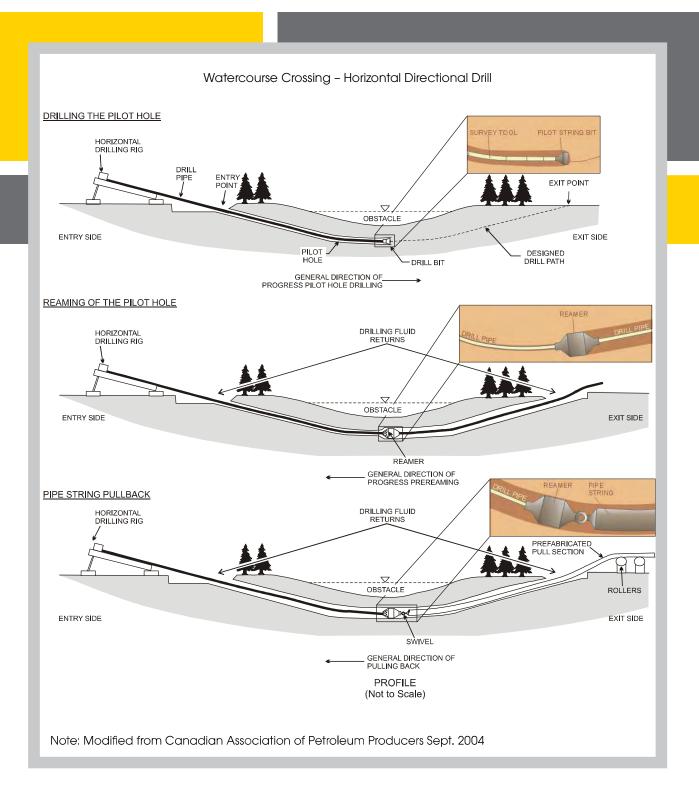


Pipeline Construction

Enbridge plans a comprehensive mitigation program for the crossing of all major watercourses along the pipeline route. Major watercourse crossings would be horizontally directionally drilled to:

- Ensure minimal environmental disturbance:
- Help protect against potential downstream fish habitat disturbance; and
- Protect fish and other wildlife, and their related habitat from silt/sedimentation.

Some crossings may be installed by other methods subject to watercourse crossing permits from Transport Canada, Parks Canada, and the local Conservation Authorities.









Enbridge Gas Distribution provides safe, reliable delivery of natural gas.

Pipeline Construction

Hydrostatic Testing

The new pipeline would be hydrostatically tested. The line is sealed and then filled with water and then pressured up to a pressure higher than actual operating pressures.

Hydrostatic testing checks for leaks and confirms pipeline strength. Water for the test may be obtained from the local municipality or nearest watercourse that can support the withdrawal without environmental impact.

Afterward, the water is disposed of or released according to Ministry of the Environment and Climate Change permits and guidelines to ensure it does not cause erosion or sedimentation of watercourses.







Enbridge Gas Distribution provides safe, reliable delivery of natural gas.

Environmental Considerations

Clean Up

All construction materials are removed and a final grading of the area is performed. Anything removed or disturbed by construction (such as fences or pavement) are repaired or replaced.

Any disturbed soils are restored and seeded with an appropriate seed mix. Erosion and sediment control measures are installed as required until the area is revegetated.

Ongoing Monitoring

Slope erosion and re-establishment of vegetation are carefully monitored following roadside construction. Enbridge will be fully responsible for the remedial work necessary to address such issues following pipeline construction.











Next Steps

After this Information Session, we intend to pursue the following schedule of activities:

- 1. Analyze public, Indigenous and stakeholder input, respond to comments/questions received, and confirm the Preliminary Preferred Route (July/August 2017)
- 2. Complete Environmental Report (August/September 2017)
- 3. OEB application and regulatory process (November 2017)
- 4. Subject to OEB approval:
 - a. Pre-Construction activities (2018)
 - Topographic Land Survey (2018)
 - Pipeline Design (2018)
 - Acquire Permits (2018)
 - b. Construction (Spring 2019)*
 - c. Post Construction Activities (2019 2020)



^{*} If the steps above progress quicker than expected, construction could start earlier.



Thank you!

We sincerely hope this Information Session has provided you with an opportunity to:

- discuss your areas of interest related to the proposed project with representatives from Enbridge and Stantec;
- provide your input regarding the existing conditions (environmental and socio-economic features) identified within the study area; and
- comment on the 'Preliminary Preferred Route' and site specific protection and mitigation measures.

Input from stakeholders and Indigenous communities will be used to confirm the existing environmental, socio-economic and archaeological conditions and the Preferred Pipeline Route.

If you wish to stay informed about the progress of the project and the preparation of the Environmental Report, and have not previously identified yourself to Enbridge or Stantec, please provide your name, postal address, email address, and any group affiliation to either:

Sarah Kingdon-Benson

Environmental Advisor Enbridge Gas Distribution Inc. 3rd Floor, 101 Honda Blvd Markham, ON L6C 0M6 Ph: (905) 927-3176 Email: sarah.kingdon-benson@enbridge.com

Rooly Georgopoulos, B.Sc.

Senior Project Manager Stantec Consulting Ltd. 300-675 Cochrane Drive West Tower Markham, ON L3R 0B8 Ph: (905) 415-6367

Email: BobcaygeonEA@Stantec.com

Please provide any comments, questions or concerns regarding this project by August 18, 2017.

Also, you can visit the project website at www.enbridgegas.com/bobcaygeon.

Thank you for your participation.





Stantec

EXIT QUESTIONNAIRE

Public Information Session – Wednesday, July 19, 2017 Bobcaygeon/Verulam Community Centre

Please look over the display panels, and then take a few moments to provide your comments below. Your input is welcomed and appreciated. If you require any assistance or clarification while completing the questionnaire please speak with an Enbridge or Stantec representative. Completed questionnaires can be returned to a Stantec representative or mailed to Stantec Consulting Ltd. by **August 18**, **2017**. Postage paid, self-addressed envelopes are available at the registration table.

How did you hear about this Public Information Session? (check o	all that apply)
Newspaper ad (which one?) From a friend or neighbour (word of mouth) Other (please specify): Which best describes your interest in the project?	□ Local media□ Mail flyer□ Direct mail invitation
Directly affected Adjacent Gov't Local landowner agency business	Other (please specify):
Did a project representative adequately address your questions? questions below and provide a description on how you think we	
Yes	explain
Were you provided with an adequate understanding of the Ontar review and approval process? Yes No Do you require additional information about the process (please	
Please identify any environmental or socio-economic features in either incorrectly mapped, omitted or that you feel are important study (please state your reasons).	
Considering the location of the Preliminary Preferred Route shown please indicate whether there are any potential effects to you, you that would need to be addressed prior to construction and operation	our property, or business
	Newspaper ad (which one?)

3 .	What is your primary	heating sou	rce?		
	Propane		Electricity	☐ Heati	ng Oil
	I'm already hooked natural gas.	up to	Other		
9.	If natural gas were a	ıvailable, wo	uld you be interest	ed in converting to n	atural gas?
	Yes		1 No		
	Yes, and I would like (please provide cor			ng to natural gas	
10.	How many years after natural gas?	er pipeline co	onstruction would	you convert your hec	iting system to
	<1 year	2 Years	☐ 3 Years	4 years	□ > 5 years
11.	our attention for con	sideration? If ns or concerr	you would like to ns, please describe	I project that you won meet or be contacted the issue below, proup with you.	d to discuss any
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Thank you for your participation. Comments and information regarding this study are being collected in accordance with the Freedom of Information and Protection of Privacy Act, and solely for the purpose of informing the Project referred to as "Proposed Pipelines to Serve the Community of Bobcaygeon". With the exception of personal information, all comments may become part of the record.

ENBRIDGE GAS INC. NOTICE OF STUDY COMMENCEMENT AND VIRTUAL OPEN HOUSE

Bobcaygeon Community Expansion Project

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral and the Reinforcement, each of which have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a

minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Consultation with Indigenous communities, and engagement with landowners, government agencies, the general public, and other interested persons is an integral component of the planning process. As a result of the social distancing requirements set out by the Province of Ontario due to COVID-19, a Virtual Open House will be held in place of an inperson Open House.

The Virtual Open House will be available for two weeks starting on September 13, 2021, and finishing on September 27, 2021, at www.solutions.ca/BobcaygeonEA

Environmental Study Area Expressway / Highway Bobcaygeon Road Watercourse Fenelon Preliminary Preferred Route for Supply Lateral Falls Alternative Route for Supply Lateral Preliminary Preferred Route Victoria Place for Reinforcemen • Zion Alternative Route for Reinforcement Kings Wharf Stantec Fox'S Corners Lindsay Peterborough Omemee Mount Horeb

If you are unable to log onto the Virtual Open House between September 13-27, please dial (519) 780-8186 and leave a detailed message with your contact information and we will respond as soon as possible.

A questionnaire will be available as part of the Virtual Open House, and you will have the ability to submit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website provided below. Input received during the Virtual Open House will be used to inform the selection of the Preferred Route and to develop site specific environmental protection or mitigation measures for the Project.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's (OEB) "Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)". It is anticipated that the Environmental Report for the study will be completed in Winter 2021, after which Enbridge Gas will file an application for the Project to the OEB. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is anticipated to begin in 2023.

For any questions or comments regarding the Environmental Study or the proposed Bobcaygeon Community Expansion Project, please reach out:

Emily Hartwig, Project Coordinator Stantec Consulting Ltd.

Please note updated telephone number: (519) 585-3849

Email: BobcaygeonEA@stantec.com **Or visit the project website at:** enbridgegas.com/BobcaygeonProject





Stantec Consulting Ltd. 300W-675 Cochrane Drive Markham, ON L3R 0B8



July 25, 2017 File: 160950987

Attention: «TITLE» «FIRST_NAME» «SURNAME», «POSITION»

«ORGANIZATION»
«DEPARTMENT»
«ADDRESS»
«CITYTOWN» «POSTAL_CODE»

Dear «TITLE» «SURNAME»,

Reference: Enbridge Gas Distribution Inc. - Proposed Bobcaygeon Pipeline Project - Notice of Study Commencement and Public Information Session

Enbridge Gas Distribution Inc. ("Enbridge"), is proposing to construct a natural gas pipeline to service the Community of Bobcaygeon. The Bobcaygeon Pipeline Project ("the Project") will include the construction of approximately 27 km of Nominal Pipe Size (NPS) 6 (inch) Extra High Pressure (XHP) and High Pressure Polyethylene (HPPE) steel natural gas main. The Project will start near Cowan's Drive and Peace Road in Cowan's Bay and conclude near the intersection of Highway 36 and Front Street East in Bobcaygeon. The preferred route will travel from Cowan's Bay, north on County Road 10, east on Pigeon Lake Road (County Road 7) and along County Road 36 until Front Street East in Bobcaygeon. A potential minor deviation to the preferred route travels east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. The preliminary preferred route and the potential minor deviation are depicted on the attached Project Location Map.

As part of the planning process, Enbridge has retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the proposed natural gas pipeline. The environmental study will fulfill the requirements of the Ontario Energy Board's (OEB's) "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)". It is anticipated that the environmental study for the Project will be completed in September 2017, after which Enbridge will file an application for the proposed pipeline to the OEB. The OEB's review and approval is required before construction of the proposed pipeline can proceed. If approved, construction of the proposed pipeline is anticipated to begin no earlier than the spring of 2019.

Stantec is presently compiling an environmental, socio-economic and archaeological inventory of the environmental study area. As an agency with jurisdiction or a potential interest in developments in that area, you are invited to provide or coordinate comments regarding the proposed pipeline. Specifically, Stantec is seeking information regarding planning principles or guidelines implemented by your agency that may affect routing, construction, and/or operation of the proposed pipeline. Stantec is also seeking background environmental, socio-economic and archaeological information that may be useful in compiling the inventory of the environmental study area.





July 25, 2017

Attention: «TITLE» «FIRST_NAME» «SURNAME», «POSITION»

Page 2 of 2

Reference: Enbridge Gas Distribution Inc. - Proposed Bobcaygeon Pipeline Project - Notice of Study

Commencement and Public Information Session

Finally, we request that you provide us with information regarding other proposed developments within the environmental study area for incorporation into the environmental study and related report as a component of the cumulative effects assessment. Please contact us to discuss the most efficient way to obtain this information.

One Public Information Session regarding the Project will be held in the community of Bobcaygeon, as follows:

July 19, 2017, 5:00 p.m. – 8:00 p.m. Bobcaygeon-Verulam Community Centre, 51 Mansfield St, Bobcaygeon ON

Representatives from Enbridge and Stantec will be available to discuss the proposed pipeline and answer questions regarding the route, design and schedule. Input received will be used to confirm both the existing environmental conditions of the preferred pipeline route and potential minor deviation, and to develop site specific protection or mitigation measures for the Project.

If you have questions or concerns regarding the Project, please do not hesitate to contact the undersigned.

Regards,

STANTEC CONSULTING LTD.

Rooly Georgopoulos

Senior Project Manager Phone: (905) 415-6367 Fax: (905) 474-9889 BobcaygeonEA@stantec.com

Attachment: Project Location Map

c. Sarah Kingdon-Benson, Environmental Advisor, Enbridge Gas Distribution Inc.



Stantec Consulting Ltd. 300W-675 Cochrane Drive Markham, ON L3R 0B8



June 21, 2017 File: 160950987

Attention: «TITLE» «FIRST_NAME» «SURNAME», «POSITION» «ORGANIZATION» «DEPARTMENT» «ADDRESS» «CITYTOWN» «POSTAL_CODE»

Dear «TITLE» «SURNAME»,

Reference: Enbridge Gas Distribution Inc. - Proposed Bobcaygeon Pipeline Project - Notice of Study Commencement and Public Information Session

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As part of the planning process, Enbridge has retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the proposed natural gas pipeline. The environmental study will fulfill the requirements of the Ontario Energy Board's (OEB's) "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)". It is anticipated that the environmental study will be completed in September 2017, after which Enbridge will file an application for the proposed pipeline to the OEB. The OEB's review and approval is required before construction of the proposed pipeline can proceed. If approved, construction of the proposed pipeline is anticipated to begin no earlier than the spring of 2019.

Stantec is presently compiling an environmental, socio-economic and archaeological inventory of the environmental study area. «ORGANIZATION» is invited to provide comments regarding the proposed pipeline. Specifically, Stantec is seeking information about any adverse impacts that the proposed pipeline may have on constitutionally protected Aboriginal or Treaty rights and any measures for mitigating those adverse impacts.

One Information Session regarding the Project will be held in the community of Bobcaygeon, as follows:

July 19, 2017, 5:00 p.m. – 8:00 p.m. Bobcaygeon-Verulam Community Centre, 51 Mansfield St, Bobcaygeon ON





June 21, 2017

Attention: «TITLE» «FIRST_NAME» «SURNAME», «POSITION»

Page 2 of 2

Reference: Enbridge Gas Distribution Inc. - Proposed Bobcaygeon Pipeline Project - Notice of Study

Commencement and Public Information Session

Representatives from Enbridge and Stantec will be available to discuss the proposed pipeline and answer questions regarding the route, design and schedule. Input received will be used to confirm both the existing environmental conditions of the preferred pipeline route and potential minor deviation, and to develop site specific protection or mitigation measures for the Project.

If you have questions or concerns regarding the Project, please do not hesitate to contact the undersigned.

Regards,

Enbridge Gas Distribution Inc.,

Sonia Fazari

Sr. Advisor, Community Engagement Enbridge Gas Distribution Inc. Office Phone: (416) 753-6962 Cell Phone: (416) 525-2497 Sonia.Fazari@enbridge.com

Attachment: Project Location Map

c. Rooly Georgopoulos, Senior Associate, Stantec



Stantec Consulting Ltd. 300W-675 Cochrane Drive Markham, ON L3R 0B8



June 21, 2017 File: 160950987

Dear Landowner.

Reference: Enbridge Gas Distribution Inc. - Proposed Bobcaygeon Pipeline Project - Notice of Study Commencement and Public Information Session

Enbridge Gas Distribution Inc. ("Enbridge"), is proposing to construct a pipeline to service the Community of Bobcaygeon. The Bobcaygeon Pipeline Project ("the Project") will include the construction of approximately 27 km of 6-inch natural gas main. The Project will start near Cowan's Drive and Peace Road in Cowan's Bay and conclude near the intersection of Highway 36 and Front Street East in Bobcaygeon. A potential minor deviation to the preferred route travels east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. The preliminary preferred route and the potential minor deviation are depicted on the attached Project Location Map.

As part of the planning process, Enbridge has retained Stantec Consulting Ltd. ("Stantec") to undertake an environmental study of the construction and operation of the proposed project. The environmental study will fulfill the requirements of the Ontario Energy Board's (OEB's) "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)". It is anticipated that the environmental study will be completed in September 2017, after which Enbridge will file an application to the OEB. The OEB's review and approval is required before construction of the proposed project can proceed. If approved, construction is anticipated to begin no earlier than spring of 2019.

Stantec is presently compiling an environmental, socio-economic, and archaeological inventory of the study area. As a landowner with a potential interest in developments in that area, you are invited to provide or coordinate comments regarding the Project. Public consultation is an important component of the environmental study and a Public Information Session will be held as follows:

July 19, 2017, 5:00 p.m. to 8:00 p.m. Bobcaygeon-Verulam Community Centre, 51 Mansfield St, Bobcaygeon, ON

Representatives from Enbridge and Stantec will be available to discuss the proposed project and answer questions regarding the route, design and schedule. Input received will be used to confirm both the existing environmental conditions of the preferred pipeline route and potential minor deviation, and to develop site specific protection or mitigation measures for the Project.

If you have questions or concerns, please do not hesitate to contact the undersigned.

Regards,

STANTEC CONSULTING LTD.

Rooly Georgopoulos, Senior Project Manager Phone: (905) 415-6367, Fax: (905) 474-9889

BobcaygeonEA@stantec.com

Attachment: Project Location Map

c. Sarah Kingdon-Benson, Environmental Advisor, Enbridge Gas Distribution Inc.





September 1, 2021

«TITLE» «FIRST_NAME» «SURNAME» «POSITION» «ORGANIZATION» «DEPARTMENT» «ADDRESS» «CITYTOWN» «PROVINCE» «POSTAL_CODE»

Dear «TITLE» «SURNAME»,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's (OEB) "Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021, after which Enbridge Gas will file an application for the Project to the OEB. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to begin in early 2023.

As an agency with jurisdiction or a potential interest in developments in the area, you are invited to provide or coordinate comments regarding the proposed Project. Specifically, Stantec is seeking information regarding planning principles or guidelines implemented by your agency that may affect routing, construction and/or operation of the proposed Project. Stantec is also seeking background environmental, socio-economic, and archaeological/cultural heritage information that may be useful in compiling the inventory of the Study Area.





To support the quality of the assessment process, we also request that you provide us with information regarding other proposed developments within the Study Area. This information will be incorporated into the Environmental Study and related report as a component of the cumulative effects assessment.

Please contact us to discuss the most efficient way to obtain this information.

Consultation with Indigenous communities, and engagement with landowners, government agencies, the general public, and other interested persons is an integral component of the planning process. As a result of the social distancing requirements set out by the Province of Ontario due to COVID-19, a Virtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishing on **September 27, 2021**, at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability to submit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

https://www.Enbridgegas.com/BobcaygeonProject.

Input received during the Virtual Open House will be used to inform the selection of the Preferred Route and to develop site specific environmental protection or mitigation measures for the Project.

We kindly request that any input and comments regarding the Project are provided by October 12, 2021.

If you have questions or comments regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact the undersigned.

Yours truly,

Stantec Consulting Ltd.

Emily Hartwig
Environmental Consultant
Phone: 519 780 8186

BobcaygeonEA@stantec.com

Attachment: Figure 1 – Study Area

Sarah Kingdon-Benson, Advisor, Environment, Enbridge Gas Inc.
 Sonia Fazari, Sr. Advisor Municipal and Stakeholder Engagement, Enbridge Gas Inc.





August 30, 2021

Attention: «TITLE» «FIRST_NAME» «SURNAME», «POSITION» «ORGANIZATION» «ADDRESS» «CITYTOWN» «POSTAL CODE»

Dear «TITLE» «SURNAME»,

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

I am writing to advise you of an upcoming gas pipeline project in the Bobcaygeon area, in the Williams Treaties Traditional Territory. Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

For further details, please refer to the attached map.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's (OEB) "Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to begin in early 2023.

Stantec is presently compiling an environmental, socio-economic, and archaeological/cultural heritage inventory of the Study Area. As an Indigenous community with a potential interest in the Study Area, we are inviting «ORGANIZATION» to provide comments and feedback regarding the proposed Project. Specifically, we are seeking information about areas that may be culturally significant to your community in the study area and information about potential effects that the Project may have on asserted or established Aboriginal and treaty rights, and any measures for mitigating those adverse impacts.





As part of the Environmental Study, Enbridge Gas is also in the process of contacting the following agencies:

- · Indigenous and Northern Affairs Canada; and
- Ontario Ministry of Indigenous Relations and Reconciliation.

As a result of the physical distancing requirements set out by the Province of Ontario due to COVID-19, a Virtual Open House will be held in place of an in-person Open House.

The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishing on **September 27, 2021**, at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability to submit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

https://www.Enbridgegas.com/BobcaygeonProject.

Enbridge Gas is committed to meaningful engagement with Indigenous communities. As such, we would be interested in holding a conference call with the «ORGANIZATION» to share project related information, should you wish. If you have any questions, would like to provide feedback, share knowledge, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with the «ORGANIZATION» to ensure your interests are being considered and represented.

We kindly request that any initial input and comments regarding the Project are provided by your community by October 12, 2021. Please let us know if you are unable to respond by this date but are interested in participating in the consultation process for the Project.

If you have questions or concerns regarding the Bobcaygeon Community Expansion Project, please do not hesitate to contact me directly.

Regards,

ENBRIDGE GAS INC.

Melanie Book

Senior Advisor, Community & Indigenous Engagement, South East Region Enbridge Gas Inc. PH: 613-784-6814 Melanie.book@enbridge.com

Attachment: Figure 1 – Study Area

c. Sarah Kingdon-Benson, Enbridge Gas Inc. Rooly Georgopoulos, Stantec Consulting Ltd.





September 9, 2021

Dear Landowner / Resident

Reference: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.

The proposed Project is divided into two components: the Supply Lateral and the Reinforcement, each of which have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). For further details, please refer to the map attached to this letter.

You are receiving this letter because the preliminary preferred or alternate pipeline routes are located in proximity to your property.

As part of the planning process, Enbridge Gas has retained Stantec Consulting Ltd. (Stantec) to undertake an Environmental Study for the Project. The Environmental Study will fulfill the requirements of the Ontario Energy Board's (OEB) "Environmental Guidelines for the Location, Construction, and Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition (2016)".

An Environmental Report, summarizing the results of the Environmental Study, will accompany Enbridge Gas' application to the OEB as part of their Leave to Construct application. It is anticipated that the Environmental Report for the study will be completed in Winter 2021, after which Enbridge Gas will file an application for the Project to the OEB. The OEB's review and approval is required before the proposed Project can proceed. If approved, construction is currently anticipated to begin in 2023.





The Virtual Open House will be available for two weeks starting on **September 13, 2021** and finishing on **September 27, 2021**, at www.solutions.ca/BobcaygeonEA

A questionnaire will be available as part of the Virtual Open House, and you will have the ability to submit comments and/or questions about the proposed Project. In addition, a copy of the Virtual Open House story boards will be available on the Enbridge Gas project website at:

https://www.Enbridgegas.com/BobcaygeonProject.

Consultation with Indigenous communities, and engagement with landowners, government agencies, the general public, and other interested persons is an integral component of the planning process. As a result of the social distancing requirements set out by the Province of Ontario due to COVID-19, a Virtual Open House will be held in place of an in-person Open House.

Input received during the Virtual Open House will be used to inform the selection of the Preferred Route and to develop site specific environmental protection or mitigation measures for the Project.

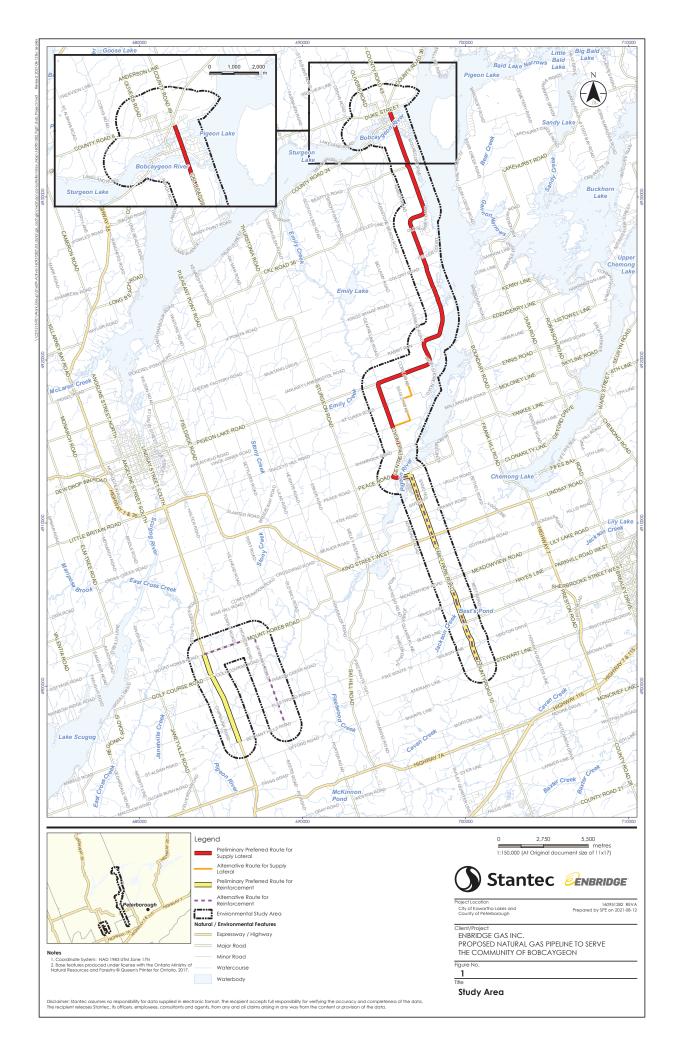
We kindly request that any input and comments regarding the Project are provided by October 12, 2021.

Please feel free to share this letter with your neighbours. If you are a landowner, it would also be appreciated if this letter could be shared with your tenants.

Regards,

STANTEC CONSULTING LTD.

Environmental Consultant Phone: (519) 585-3849 BobcaygeonEA@stantec.com





Join us September 13 - 27 for our virtual open house where you can learn more about the Bobcaygeon Community Expansion Project. You will be able to provide feedback and comments on the project, supporting the overall design and execution.







LEARN MORE





Comment



Share

•••



Enbridge Gas 🔮 @enbridgegas · Sep 7 Join us Sept. 13 - 27 for our virtual open house where you can learn more about the Bobcaygeon Community Expansion Project. You will be able to provide feedback and comments on the project, supporting the overall design and execution.





Credit/debit card > Community Expansion > Bobcaygeon 9/21



Bobcaygeon Community Expansion Project Virtual Open House Questionnaire



Thank you for attending the Bobcaygeon Community Expansion Project Virtual Open House! We hope the session was informative and we would appreciate your comments and feedback. If you require any assistance or clarification while completing the questionnaire, please send an email to BobcaygeonEA@stantec.com or call (519) 585-3849 and leave a detailed message. If you have a question that requires a response, please fill out the **Contact Information** section at the end of this form and a representative will respond as soon as possible.

Please complete this questionnaire by **October 13, 2021**, to be considered as part of the Environmental Report submitted to the Ontario Energy Board. Your feedback is important and will also be considered during the planning and permitting stages of the Project.

 □ Directly affected landowner □ Business Owner □ Surrounding landowner □ Resident interested in natural gas conversion □ Interested citizen □ Member of interest group □ Government official □ Other:
What is your view of the proposed project?
Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed (i.e., access, noise, dust, traffic, etc.).
Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the
Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the
Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the



Bobcaygeon Community Expansion ProjectVirtual Open House Questionnaire



5.	Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
	Yes
	No
6.	Do you require additional information about the process? Please note below:
7.	Did the content provided in the Virtual Open House meet your needs?
8.	How did you hear about the Virtual Open House? Check all that apply:
	Newspaper Advertisement
	Newspaper / dvertisement
	Project Notification Letter
	Social Media Post (i.e., Facebook)
	Word of Mouth
9.	Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?



Bobcaygeon Community Expansion Project Virtual Open House Questionnaire



Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

BobcaygeonEA@stantec.com or dial (519) 585-3849 and leave a detailed message.

	Contact Information	
Name:		
Address:		
Email:		
Phone:	()	

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act. This information will be used to assist Enbridge Gas Inc. in meeting applicable approval requirements. This material will be maintained on file for use during the study and may be included in project documentation. Unless indicated otherwise, personal information and all comments will become part of the public record and may be publicly released as part of project documentation.





Slide #	Slide Theme	Script
1	Welcome/ Our Commitment	Welcome Thank-you for viewing the Virtual Open House for the Bobcaygeon Community Expansion Project. You may pause the presentation at any time to read over the presentation slides. A copy of the presentation slides is available for download from the Resources Tab. Questions and comments can be submitted using the questionnaire, also found on the Resources tab, and an Enbridge Gas or Stantec representative will respond. If you would like to receive future Project updates, please complete the "Contact Information" section of the
		Qur Commitment Enbridge Gas is committed to involving indigenous communities, agencies, interest groups and community members in this proposed project by providing you with up-to-date information in an open, honest and respectful manner, and will carefully consider your input. Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.8 million residential, commercial, and industrial customers across Ontario. Enbridge Gas is committed to environmental stewardship and conducts all operations in an environmentally responsible manner.
2	Purpose of the Virtual Open House	Enbridge Gas is committed to the health and safety of the public and its workers. As a result of the COVID-19 pandemic and physical distancing requirements set out by the Province of Ontario and the Government of Canada, Enbridge Gas is providing a Virtual Open House as a safe alternative to an in-person information session. The Purpose of the Virtual Open House is to consult with Indigenous communities and engage with members of the public and regulatory authorities regarding the proposed preliminary preferred route and alternative routes and potential impacts. The Virtual Open House also provides an opportunity for individuals to ask any questions and provide comments to representatives from Enbridge Gas and Stantec.
3	Land Acknowledgement	We respectfully acknowledge that the proposed Project area is located within Treaty 20 and in the traditional territory of the Michi Saagiig (Mississauga) and Chippewa Nations, collectively known as the Williams Treaties First Nations, which include: Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Mississaugas of Scugog Island First Nation, Chippewas of Rama First Nation, Beausoleil First Nation, and Chippewas of Georgina Island First Nations. The project area is also located on the ancestral lands of the Huron-Wendat Nation.
4	Indigenous Peoples Policy	Enbridge Gas recognizes the diversity of Indigenous peoples who live where we work and operate. We understand from history the destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge Gas recognizes and realizes the importance of reconciliation between Indigenous communities and the broader society. Positive relationships with Indigenous peoples, based on mutual respect and focused on achieving common goals, will create positive outcomes for Indigenous communities. Enbridge Gas commits to





		pursue sustainable relationships with Indigenous Nations in proximity to where Enbridge Gas conducts business. To achieve this, Enbridge Gas will govern itself by the following principles as seen on this slide:
5	Project Overview	This Project will include the construction of up to approximately 50 kilometers of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The proposed Project is divided into two components: the Supply Lateral and the Reinforcement, each of which have two (2) routes being considered: Supply Lateral: both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St Lukes Road and north on Cork Road to Pigeon Lake Road. Reinforcement: both route options require the reinforcement portion which starts near the intersection of Marina Street and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Road, with an alternate route along Mt Horeb Road and St. Marys Road ending at Bethany Hills Road. Pending approval by the Ontario Energy Board, construction of the supply lateral is planned to begin in 2023 and be in service by 2024. Construction of the first section of reinforcement is anticipated to begin in 2026 to be in
		service by 2026 and for the second section of reinforcement on Highway 35, construction is anticipated to start by 2029 to be in service by end of 2029.
6	Environmental Study Process	The environmental study and Environmental Report will be completed according to the Ontario Energy Board's Environmental Guidelines. The study will: Undertake engagement to understand the views of interested and potentially affected parties. Consult with Indigenous communities and key stakeholders to understand interests and potential impacts. Be conducted during the earliest phase of the Project. Identify potential impacts of the Project. Develop environmental mitigation and protective measures to avoid or minimize potential impacts; and, Develop an appropriate environmental inspection, monitoring, and follow-up program.
7	OEB Review and Approval Process	The Ontario Energy Board is the body that regulates the natural gas industry in Ontario in the interest of the public. Enbridge Gas will submit an application for this Project to the Board. This application is called a Leave to Construct application, and will include comprehensive information on the Project including:





		 The need for the Project An Environmental Report and mitigation measures Facility alternatives Project costs and economics Pipeline design and construction Land requirements, and Consultation with Indigenous Communities and key stakeholders The Ontario Energy Board will then hold a public hearing to review the Project. If the Board determines that the Project is in the public interest it will approve construction of the Project. Additional information about the Ontario Energy Board process can be found on their website.
8	Route Selection Process	Pipeline routing constraints within the study area include natural environment features, slope, topography, socio- economic features, including cultural heritage features, and landscapes. Opportunities include the ability to follow existing linear infrastructure such as road Right-of-Ways. The proposed Preliminary Preferred and Alternative Routes follow existing linear infrastructure such as existing municipal road right=-of-ways (ROWs)s and avoid, to the extent possible, existing environmental and socio- economic features. An interactive map that shows the entire proposed Route and the alternative segments can be accessed at: website link found on this slide.
9	Preferred Route Selection Process	The Preferred Route for the proposed pipeline will be selected through a five-step process: Step 1 includes developing routing parameters such as establishing a study area and routing objectives and creating an inventory of environmental and socio-economic features. Step 2 will identify potential Routes in the study area using the routing parameters developed in Step 1. Step 3 includes a route evaluation conducted based on a quantitative and qualitative comparative evaluation of impacts to environmental and socio-economic features. Once complete, preliminary preferred routes and alternative routes will be determined. Step 4 includes gathering input on the preliminary preferred routes and alternative routes. Step 5 will result in confirmation of a Preferred Route following consultation with Indigenous communities, the City of Kawartha Lakes and engagement with the public and regulatory authorities.





		The location of the Preferred Route may be refined as the Project moves forward based on pre-construction field investigations, landowner requests and/or engineering and construction considerations.
10	Consultation and Engagement	Consultation and engagement are a key component of the Environmental Report being completed as part of the Leave to Construct Application. It helps to identify and address indigenous community and stakeholder concerns in the early stages of a project.
		Enbridge Gas submits a Project Description to the Ministry of Energy who then use this Project Description to determine potential impacts on aboriginal and treaty rights and identify indigenous communities that Enbridge Gas must consult with during the entirety of the Project.
		Input from this Virtual Open House will be used to help finalize the preferred route and to create mitigation plans to be implemented in the final design and construction.
		Once the Leave-to-Construct application is submitted to the Ontario Energy Board, any party with an interest in the Project can participate in their review process.
11	Environmental Study Process	This slide shows the environmental study process that Enbridge Gas follows as part of the Ontario Energy Board's Environmental Guidelines. Enbridge Gas is currently nearing the end of Phase 1.
12	Environment, Health and Safety	Enbridge Gas is committed to protecting the health and safety of all individuals affected by our activities.
	Policy	Enbridge Gas will provide a safe and healthy working environment and will not compromise the health and safety of any individual.
		Our goal is to have no incidents and mitigate impacts on the environment by working with our stakeholders, peers and others to promote responsible environmental practices and continuous improvement.
		Enbridge Gas is committed to environmental protection and stewardship and we recognize that pollution prevention, biodiversity and resource conservation are key to a sustainable environment.
		All employees are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.
13	Access and Land Requirements	While the Preliminary Preferred and Alternative Routes will be constructed within municipal right-of-ways (ROWs)s, some circumstances such as requiring Temporary Working Space (TWS) during construction could result in the need for additional land outside of the municipal right-of-ways (ROWs).
		Enbridge Gas has a comprehensive Landowner Relations Program that uses a dedicated Lands Advisor who would:





		 Provide direct contact & liaison between landowners and Enbridge Gas. Be available to the landowner during the length of the Project and throughout construction activities. Address the concerns and questions of the landowner. Act as a singular point of contact for all landowners. Address any landowner questions and any legal matters relating to temporary use of property, access agreements, permanent easements and impacts or remedy to property.
14	Pipeline Construction	This slide shows an infographic of typical pipeline construction procedures. Please press "pause" to review these procedures. When you are ready to move onto the next slide, please press "next".
15	Agricultural Soils	Enbridge Gas has established measures to preserve the integrity of agricultural soils throughout the construction phase. Please press "pause" to review the measures we may take. When you are ready to move onto the next slide, please press "next".
16	Socio-economic Features	The Project may be constructed through or along road right of ways, private business areas, agricultural and residential land, along with land regulated by Parks Canada, Parks Ontario, Kawartha Conservation Authority and Otonabee Conservation. Potential socio-economic effects of construction include temporary increases in noise, dust and air emissions, increased construction traffic, temporary impairment of property use and vegetation clearing. Some of the mitigation measures that could be implemented during construction include providing access across construction areas, restricting construction to daylight hours, adhering to applicable noise by-laws, implementing a water well monitoring program, and re-vegetating cleared areas. Additional examples are provided on this slide for your review.
17	Aquatic Resources	Enbridge Gas understands the importance of protecting watercourses, wetlands and associated wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects. Potential Effects to aquatic environments include disruption and alteration to aquatic species and habitat, increased erosion, sedimentation, and turbidity resulting from removal of vegetation. The following are examples of mitigation measures that may be implemented to minimize the potential effects of construction: Regular monitoring of waterbodies HDD in vicinity or under sensitive features Obtaining all agency permits and approvals. Limit in-channel construction, where possible, and conform to fish timing window guidelines.





		 For in-channel construction, protect aquatic species through methods such as flow diversion and/or dewatering, fish rescue planning etc., and manage sedimentation and turbidity. Restore and seed areas to establish habitat and reduce erosion; and Replant vegetation along waterways.
18	Horizontal Directional Drilling (HDD) Procedures	This slide shows an infographic of typical Horizontal Directional Drilling (HDD) procedures. Please press "pause" to review these procedures. When you are ready to move onto the next slide, please press "next".
19	Cultural Heritage Resources	During construction, cultural heritage features such as archaeological finds, buildings, fences, and landscapes may be encountered. Detailed field surveys will be conducted by independent, third-party archaeologists and cultural heritage professionals prior to construction.
		As outlined on this slide, there are several mitigation measures that will be employed to minimize the potential effects construction could have on cultural heritage, as approved by the Ministry of Heritage, Sport, Tourism and Culture Industries.
20	Terrestrial Resources	During construction, natural environmental features such as wildlife habitat and vegetated or wooded areas will need to be crossed. Potential effects include damage of vegetation and wildlife adjacent to the construction area. Prior to construction, surveys (including Species at Risk surveys) will be conducted to determine opportunities for wildlife habitat to exist. Tree removals will be conducted outside of migratory bird windows (typically from April 1 – August 31), to the extent possible. Construction areas will be clearly marked to avoid accidental damage and affected areas will be restored or seeded to establish habitat and reduce erosion. Permits from conservation authorities, municipalities and agencies will be secured as required, and conditions outlined will be followed, in order to minimize damage and disturbance to vegetation and wildlife.
21	Pipeline Design	The high-grade plastic and steel pipeline is designed to meet or exceed the regulations of the Canadian Standards Association and the applicable regulations of the Technical Standards & Safety Association. Enbridge Gas takes many steps to ensure safe, reliable operation of the network of natural gas pipelines, such as designing, constructing, and testing pipelines to meet or exceed requirements set by industry standards and regulatory authorities, continuously monitoring the entire network, and perform regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.
22	Next Steps	Serving hundreds of communities in Ontario, we at Enbridge Gas consider ourselves strong community partners who believe in and are committed to consultation and engagement. During the planning stages for this Project, we have consulted and will continue to consult with Indigenous Communities and engage with local landowners, government agencies and other interested parties that could be impacted by the Project.





		After this Virtual Open House is complete, we plan to complete our Environmental Report. When complete, we will submit it to the Ontario Energy Board along with other Leave-to-Construct documents. We anticipate we'll receive a response from the OEB by the end of 2022. Permitting, pipeline design and construction planning will then take place. We would plan to start construction in 2023. Construction of the pipeline reinforcement is planned to take place between 2026 and 2029.
23	Thank-you	On behalf of the Project team, thank-you for listening to the Virtual Open House presentation for the Bobcaygeon Community Expansion Project. If you have any questions or comments, or you would like to be kept up to date on the Project please complete the Questionnaire located in the Resources Tab. Please complete the Questionnaire by October 13, 2021, to be considered as part of the Environmental Report that will be submitted to the Ontario Energy Board. Please note that comments will still be received after this date and will be reviewed and considered during the planning and design phase, as applicable. To return to a specific slide, please press the "menu" button and select the slide you wish to review. To close the presentation, please press the "save and exit" button. For more information about the proposed project, please visit our project website at the website link shown on this slide.







Welcome

- Press the next button to navigate to the next slide at any time.
- To return to the previous slide, press the previous button.
- You can mute the audio at any time by pressing the speaker icon.
- The presentation slides as well as the audio script are available for download (see the Resources tab in the top right corner).
- Questions and comments can be submitted using the questionnaire found in the Resources tab.
- If you would like to receive future Project updates, please complete . the "Contact Information" section of the questionnaire.

Our commitment

- Enbridge Gas is committed to involving Indigenous communities, agencies, interest groups and community members
- We will provide up-to-date information in an open, honest and respectful manner, and will carefully consider your input.
- Enbridge Gas provides safe and reliable delivery of natural gas to more than 3.8 million residential, commercial, and industrial customers across Ontario.
- Enbridge Gas is committed to environmental stewardship and conducts all of its operations in an environmentally responsible manner.





Purpose of the Virtual Open House

- Provide a safe alternative to an in-person meeting due to current social distancing requirements set out by the Province of Ontario and the Government of Canada.
- Consult with Indigenous communities, and engage with members of the public, and regulatory authorities regarding the proposed Preliminary Preferred and Alternative Routes, and potential impacts.
- Provide an opportunity for these individuals and any affected landowners and the general public to review the proposed Project, and to ask any questions and/or provide comments to representatives from Enbridge Gas and Stantec.







Land Acknowledgement

We respectfully acknowledge that the proposed Project area is located within Treaty 20 and in the traditional territory of the Michi Saagiig (Mississauga) and Chippewa Nations, collectively known as the Williams Treaties First Nations, which include: Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Mississaugas of Scugog Island First Nation, Chippewas of Rama First Nation, Beausoleil First Nation, and Chippewas of Georgina Island First Nations.

The Project area is also located on the ancestral lands of the Huron-Wendat Nation.









Indigenous People Policy

Enbridge Gas recognizes the diversity of Indigenous peoples who live where we work and operate. We understand from history the destructive impacts on the social and economic wellbeing of Indigenous Peoples. Enbridge Gas recognizes and realizes the importance of reconciliation between Indigenous communities and the broader society. Positive relationships with Indigenous peoples, based on mutual respect and focused on achieving common goals, will create positive outcomes for Indigenous communities. Enbridge Gas commits to pursue sustainable relationships with Indigenous Nations and groups in proximity to where Enbridge Gas conducts business. To achieve this, Enbridge will govern itself by the following principles:

- We recognize the legal and constitutional rights possessed by Indigenous peoples, and the importance of the relationship between Indigenous Peoples and their traditional lands and resources. We commit to working with Indigenous communities in a manner that recognizes and respects those legal and constitutional rights and the traditional lands and resources to which they apply. We commit to ensuring that our projects and operations are carried out in an environmentally responsible manner.
- We understand the importance of the United Nations Declaration on the Rights of Indigenous Peoples in the context of existing Canadian law and the commitments that the government has made to protecting the rights of Indigenous Peoples.
- We engage in forthright and sincere consultation with Indigenous Peoples about Enbridge's projects and operations through processes that seek to achieve early and meaningful engagement. Indigenous engagement help define our projects that may occur on lands traditionally occupied by Indigenous Peoples.
- We commit to working with Indigenous Peoples to achieve benefits for them resulting from Enbridge's projects and operations, including opportunities in training and education, employment, procurement, business development, and community development.
- We foster understanding of the history and culture of Indigenous Peoples among Enbridge's employees and contractors, in order to create better relationships between Enbridge and Indigenous communities.

This commitment is a shared responsibility involving Enbridge and its affiliates, employees and contractors. We will conduct business in a manner that reflects the above principles. Enbridge will provide ongoing leadership and resources to effectively implement the above principles, including the development of implementation strategies and specific action plans. Enbridge commits to periodically review this policy so that it remains relevant and respects Indigenous culture and varied traditions.







Project Overview

- Up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.
- The proposed Project is divided into two components: the Supply Lateral and the Reinforcement, each of which have two (2) routes being considered:
 - Supply Lateral: both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St Lukes Road and north on Cork Road to Pigeon Lake Road.
 - Reinforcement: both route options require the reinforcement portion which starts near the intersection of Marina Street and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end.
 - An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Road, with an alternate route along Mt Horeb Road and St. Marys Road ending at Bethany Hills Road.
 - Pending regulatory approval by the Ontario Energy Board (OEB), construction of the supply lateral is planned to begin in 2023 and be in service by 2024. Construction of the first section of reinforcement is anticipated to begin in 2026 to be in service by 2026 and for the second section of reinforcement on Highway 35, construction is anticipated to start by 2029 to be in service by end of 2029.







Environmental Study Process

The environmental study and Environmental Report will be completed as per the OEB's "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (2016)."

The study will:

- Undertake engagement to understand the views of interested and potentially affected parties.
- Consult with Indigenous communities to understand interests and potential impacts.
- Be conducted during the earliest phase of the Project.
- Identify potential impacts of the Project.
- Develop environmental mitigation and protective measures to avoid or minimize potential impacts.
- Develop an appropriate environmental inspection, monitoring and followup program.









Ontario Energy Board (OEB) Review and Approval Process

The application to the OEB will include the following information on the Project:

- The need for the Project
- Environmental Report and mitigation measures
- Facility alternatives
- · Project costs and economics
- Pipeline design and construction
- · Land requirements
- · Consultation with Indigenous Communities

The OEB will then hold a public hearing to review the Project.

If the OEB determines that the Project is in the public interest it will approve construction of the Project.

Additional information about the OEB process can be found at: www.ontarioenergyboard.ca







Route Selection Process

- Pipeline routing constraints include natural environmental features, slope, topography, and socio-economic features and landscapes. Opportunities include the ability to follow existing linear infrastructure such as road right-of-ways (ROWs).
- The proposed Preliminary Preferred and Alternative Routes follow existing linear infrastructure such as existing municipal road ROWs and avoid, to the extent possible, existing environmental and socio-economic features.

An interactive map that shows the entire proposed Route and the alternative segments can be accessed at: www.solutions.ca/BobcaygeonEA





Step 1

Bobcaygeon Community Expansion Project Virtual Open House

ENBRIDGE

We

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Preferred Route Selection Process

The Preferred Route for the proposed pipeline will be selected through a five-step process.

Develop Routing Parameters

- a. Establish a study area the study area constraints include natural environmental features, slope, topography and socio-economic features and landscapes. Opportunities include the ability to follow linear infrastructure such as existing municipal road ROWs.
- b. Establish routing objectives.
 - i. Follow a reasonably direct path between start and end points.
 - ii. Avoid sensitive environmental and socio-economic features.
 - iii. Follow existing linear infrastructure, such as municipal road ROWs or existing infrastructure easements.
- c. Create an inventory of environmental and socio-economic features.

Step 2

Identify Routes in the Study Area

Identify reasonable and feasible routes within the study area in consideration of the routing objectives and environmental and socio-economic opportunities and constraints.

Step 3

Route Evaluation

An evaluation of the Preliminary Preferred and Alternative Routes will be conducted based on:

- a. A quantitative comparative evaluation of impacts to environmental and socio-economic features.
- b. A qualitative comparative evaluation.

Input on the Preliminary Preferred and Alternative Routes

- a. Input from landowners, Indigenous communities and stakeholders
- b. During the Virtual Open House the Preliminary Preferred and Alternative Routes will be presented.

Step 5

4

Step

Confirmation of the Preferred Route

A Preferred Route will be confirmed following consultation and engagement.

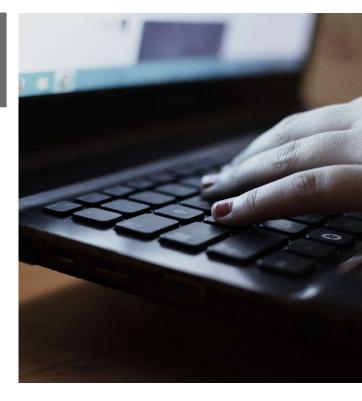
The location of the Preferred Route may be refined as the Project moves forward based on pre-construction field investigations, landowner requests, and/or engineering and construction considerations.





Consultation and Engagement

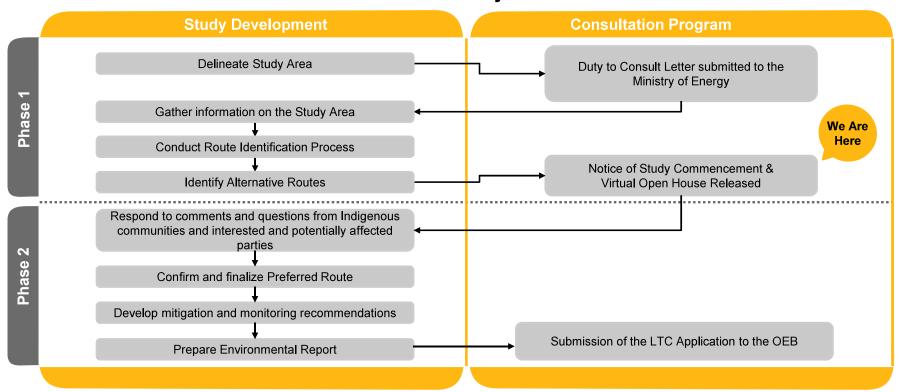
- Consultation and engagement are key components of the Environmental Report.
- At the outset of the Project, Enbridge Gas submits a Project Description to the Ministry of Energy; upon review the Ministry of Energy determines potential impacts on aboriginal or treaty rights and identify Indigenous communities that Enbridge Gas must consult with during the entirety of the Project.
- The consultation and engagement program helps identify and address Indigenous community and stakeholder concerns and issues, provides information about the Project to the stakeholders, and allow for participation in the Project review and development process.
- Input will be used to help finalize the preferred pipeline route and mitigation plans for the project.
- Once the Leave-to-Construct (LTC) application is made to the OEB, any party with an interest in the Project, including members of the public, can participate in the process.







Environmental Study Process









Environment, Health and Safety Policy

Our commitment

- Enbridge Gas is committed to protecting the health and safety of all individuals affected by our activities.
- Enbridge Gas will provide a safe and healthy working environment and will not compromise the health and safety of any individual.
- Our goal is to have no incidents and mitigate impacts on the environment by working with our stakeholders, peers and others to promote responsible environmental practices and continuous improvement.
- Enbridge Gas is committed to environmental protection and stewardship, and we recognize that pollution prevention, biodiversity and resource conservation are key to a sustainable environment.
- All employees are responsible and accountable for contributing to a safe working environment, for fostering safe working attitudes, and for operating in an environmentally responsible manner.







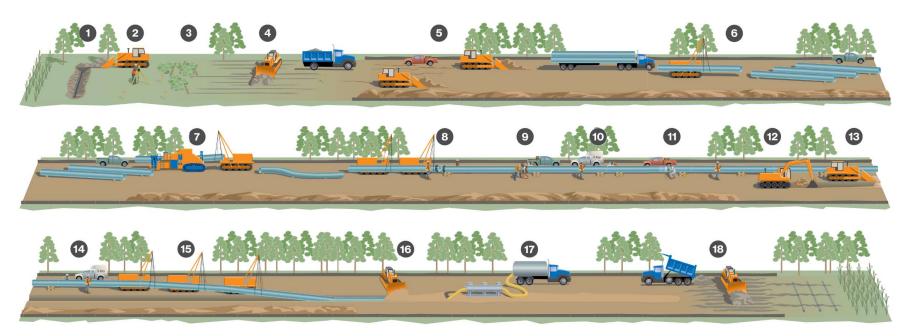
Access and Land Requirements

- While the Preliminary Preferred and Alternative Routes will be constructed within municipal ROWs, some circumstances such as requiring Temporary Working Space (TWS) during construction could result in the need for additional land outside of the municipal ROWs.
- Enbridge Gas has a comprehensive Landowner Relations Program that uses a dedicated Lands Advisor who would:
 - Provide direct contact & liaison between landowners and Enbridge Gas.
 - Be available to the landowner during the length of the Project and throughout construction activities.
 - Address the concerns and questions of the landowner.
 - Act as a singular point of contact for all landowners.
 - Address any landowner questions and any legal matters relating to temporary use of property, access agreements, permanent easements and impacts or remedy to property.





Constructing an Enbridge Gas Pipeline



- 1. Pre-construction tiling
- 2. Surveying and staking
- 3. Clearing

- **4.** Right-of-way topsoil stripping
- 5. Front-end grading
- 6. Stringing pipe
- 7. Field bending pipe
- 8. Lining-up pipe
- 9. Welding process
- **10.** X-ray or ultrasonic inspection, weld repair
- 11. Field coating
- 12. Digging the trench
- 13. Padding trench bottom
- **14.** Final inspection and coating repair
- 15. Lowering pipe
- 16. Backfilling
- 17. Hydrostatic testing
- **18.** Site restoration and post-construction tiling







Agricultural Soils

Enbridge Gas has established and tested measures to preserve the integrity of agricultural soils throughout the construction phase, if required:

- A third-party soils specialist will determine topsoil depth prior to stripping and supervise activities so the proper depth of topsoil is removed and replaced.
- Topsoil will be stripped from the right-of-way and other work areas and stockpiled along the right-of-way. A separation will be maintained between topsoil and subsoil.
- Enbridge will implement a wet soil shutdown protocol on agricultural lands to minimize soil structure damage.
- The subsoil on the stripped portion of the right-of-way will be chisel ploughed or sub-soiled during cleanup activities to alleviate compaction.

- Enbridge Gas will develop and implement a sampling program on agricultural easements along the pipeline route for potential pests and/or diseases that are known to the area, where appropriate.
- The entire outside boundaries of the workspace necessary for construction of the project will be staked at regular intervals.
- A post-construction cover crop program will be available to impacted landowners.







Socio-economic Features

The Project will be constructed through or along road right of ways, private business areas, agricultural and residential land, and land regulated Parks Canada, Parks Ontario, Kawartha Conservation Authority and Otonabee Conservation.

Potential Effects

- Temporary increases in noise, dust and air emissions.
- Increased construction traffic volumes.
- Temporary impairment of the use and enjoyment of property.
- Vegetation clearing along the pipeline easement.

Example Mitigation Measures

- Provide access across the construction area.
- Restrict construction to daylight hours and adhere to applicable noise by-laws.
- Develop and implement a Traffic Control Plan.
- Place fencing at appropriate locations for safety.
- Implement a water well monitoring program.
- Making contact information for a designated Enbridge Gas representative available prior to and throughout construction.
- Dust control measures.
- Re-vegetation of cleared areas (seeding/planting).







Aquatic Resources

Enbridge Gas understands the importance of protecting watercourses, wetlands and associated wildlife during construction and therefore will implement recognized mitigation measures to minimize possible environmental effects.

Potential Effects

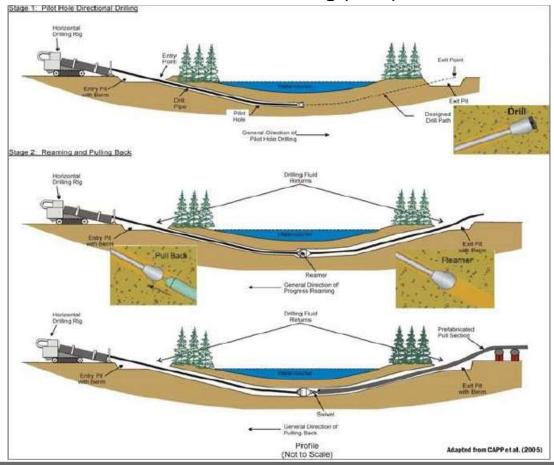
- Disruption and alteration to aquatic species and habitat and/or nuisance effects.
- Increased erosion, sedimentation, and turbidity resulting from removal of vegetation.

Example Mitigation Measures

- Conduct regular monitoring of waterbodies.
- Obtain all agency permits and approvals.
- Limit in-channel construction, where possible, and conform to fish timing window guidelines.
- Horizontal Directional Drilling (HDD) within or near environmentally sensitive features (i.e., watercourses, wetlands etc.)
- For in-channel construction, protect aquatic species through methods such as flow diversion/dewatering, fish rescue planning etc., and manage sedimentation and turbidity.
- Restore and seed areas to establish habitat and reduce erosion.
- Replant vegetation along waterways.



Horizontal Directional Drilling (HDD) Procedures











Cultural Heritage Resources

During the course of construction, cultural heritage features such as archaeological finds, buildings, fences and landscapes may be encountered. Detailed field surveys will be conducted by independent, third-party archaeologists and cultural heritage professionals.

Potential Effects

 Damage or destruction of archaeological, paleontological or historical resources.

Example Mitigation Measures

- Archaeological assessment of the construction footprint, with review and comment from the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI).
- Cultural heritage assessment (for built heritage features and cultural heritage landscapes) of the construction right-of-way, with review and comment from MHSTCI.
- Reporting of any previously unknown archaeological, paleontological or historical resources uncovered, or suspected of being uncovered, during excavation.







Terrestrial Resources

During the course of construction, natural environmental features such as wildlife habitat and vegetated/wooded areas will need to be crossed.

Potential Effects

- Damage or removal of vegetation and wildlife habitat adjacent to the construction area.
- Disturbance and/or mortality to local wildlife.

Example Mitigation Measures

- Conduct surveys (including Species at Risk surveys) in advance of construction to determine opportunities for wildlife habitat to exist.
- Complete tree removal outside of migratory bird windows (April 1 August 31), to the extent possible.
- Clearly mark the construction area to avoid accidental damage.
- Restore and seed areas to establish habitat and reduce erosion.
- Secure any necessary permits and follow any conditions of approval.







Pipeline Design

The high-grade plastic and steel pipeline is designed to meet and/or exceed the regulations of the Canadian Standards Association (Z662 Oil and Gas Pipeline Systems) and the applicable regulations of the Technical Standards & Safety Association (TSSA).

Pipeline Safety and Integrity

We take many steps to ensure safe, reliable operation of our network of natural gas pipelines, such as:

- Design, construct, and test our pipelines to meet or exceed requirements set by industry standards and regulatory authorities,
- · Continuously monitor the entire network, and
- Perform regular field surveys to detect leaks and confirm corrosion prevention methods are working as intended.





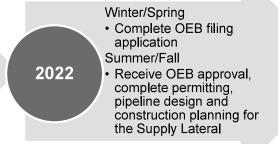


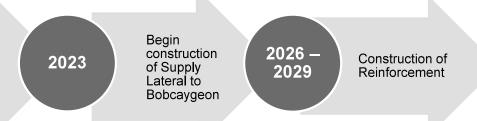


Next Steps

After this Virtual Open House, we intend to pursue the following schedule of activities:













Thank-you!

On behalf of the Project team, thank-you for listening to the Virtual Open House presentation. Please complete the Questionnaire, located in the Resources Tab. Please complete the Questionnaire by October 13, 2021, for your comments to be considered as part of the Environmental Report.

Emily Hartwig Sarah Kingdon-Benson

Project Coordinator Advisor, Environment

Stantec Consulting Ltd. Enbridge

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For more information about the proposed project, please visit our project website at: www.enbridgegas.com/bobcaygeonproject



Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Туре	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response		
	Notice of Commencement and Virtual Open House published in local newspapers on September 2, 2021, and September 9, 2021. Notice of Commencement and Virtual Open House sent via email to all contacts on the agency contact list on September 1, 2021.								
1	City of Kawartha Lakes	rartha Meeting August 25, 2021	0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	N/A	N/A			
			Enbridge representatives further provided an explanation of the upcoming field studies Enbridge is planning to conduct as well as anticipated mitigation and protective measures in preparation for the Environmental Report. Council appreciated the overview and did not express any project specific concerns. Enbridge committed to scheduling quarterly updates to ensure Council was kept informed and updated on all project related matters as well as an opportunity for Council to raise questions regarding the project.						
2	Jon Orpana Ministry of Environment, Conservation and Parks (MECP)	Email	September 1, 2021	MECP responded to the Notice of Commencement and Virtual Open House (NoCVOH) and requested shape files for the project / influence area.	N/A	Stantec / September 1, 2021	Stantec provided the shapefile, provided by Enbridge, for the Project.		
		Email	September 1, 2021	MECP thanked Stantec for the quick response.	N/A	N/A	N/A		
3		Email	September 7, 2021	MECP ask Stantec if the NoCVOH was sent to the Species at Risk (SAR) Ontario email address and recommended that the Notice be sent if it has not. MECP also requested to review a draft report, if possible, in advance of the final report to ensure that all potential adverse impacts are considered and mitigated in the preferred route.	N/A	Stantec / September 8, 2021	Stantec replied noting that the NoCVOH was sent to the SAR Ontario email address and provided a copy of the email for reference. Stantec also noted that a representative from the MECP is a member of the Ontario Pipeline Coordinating Committee (OPCC), so when the report is complete, MECP will have the opportunity to review and provide comments prior to the report being submitted to the Ontario Energy Board (OEB).		
		Email	September 8, 2021	MECP replied noting the representative in the eastern region that will be coordinating the review comments. MECP stated it is their understanding that the committee is not active from their end.	N/A	N/A	N/A		
4	Monique Charette Management Biologist	Email	September 8, 2021	The MECP biologist assigned to review the Project sent an email to confirm receipt of the NoCVOH and noted intent to provide preliminary comments in the next week or so.	N/A	N/A	N/A		
	MECP								



Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Туре	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
5	Jon Orpana Ministry of Environment, Conservation and Parks (MECP)	Email	September 9, 2021	 MECP provided preliminary comments on the Project: MECP has an interest in the potential impacts to surface and groundwater quality and quantity The mapped route (provided via shapefile sent September 1, 2021) forwarded to the Source Water Protection Branch at MECP for review and comment MECP is concerned with erosion and sediment controls and other practices for managing surface runoff and water crossings MECP has an interest in management of waste materials including those from construction and excavation and operation MECP has an interest in control of impacts to air quality, including control of odour, noise, dust and other contaminants during construction and operation and contingency activities. MECP recommends that complaint response protocols be developed to address reported well water disturbances, noise, dust and claims of property damage. MECP Peterborough District comments noted the closed Emily Landfill located at the corner of Shamrock Road and Centerline Road and that the groundwater plume arguably extends to the SE of the landfill where the pipeline is crossing. MECP Peterborough District also noted potential for shallow groundwater from the works yard at the same corner. Recommended that Enbridge consult with the City of Kawartha Lakes when working in this specific area. MECP Peterborough District also noted that if Horizontal Directional Drilling (HDD) is used, Enbridge should be cautious crossing the many watercourses, wetland features, and the source water protection areas. 	Forwarded to Enbridge / November 5, 2021	Stantec / November 12, 2021	Stantec responded and noted that comments would be reviewed and incorporated into the Environmental Report and addressed as required, and applicable mitigation measures will be developed where there may be potential project impacts. Stantec noted that a copy of the draft Environmental Report will be forwarded to the MECP for review during the OPCC review process.
6	Parks Canada (PC) Trent-Severn Waterway	Phone call (voicemail)	September 7, 2021	Asked if the watercourse crossing method for Big Bob and Little Bob Channels had finalized for the Project.	N/A	Stantec/ September 7, 2021	Discussed an overview of the Project, noted Virtual Open House, and stated that the plan is to cross Little Bob and Big Bob Channels via Horizontal Directional Drill (HDD).
7	(705)-761-5780 Trans Canada Trail	Phone call	September 7, 2021	Called noting that the Trans Canada Trail does not cross any of the proposed pipeline routes. Provided the Virtual Open House (VOH) website link over the phone.	N/A	N/A	N/A



Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Туре	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response										
8	Catherine Warren District Planner Ministry of Northern Development, Mines, Natural Resources and Forestry (MNDMNRF)	Email	September 7, 2021	 MNDMNRF responded to the NoCVOH and provided general comments for consideration: Natural heritage and natural resource GIS data layers can be obtained through Land Information Ontario (LIO) The subject area is within the Growth Plan area – recommend that the municipality be consulted. The subject area contains/is adjacent to wetlands Turtle critical periods (active season, hibernation, nesting, hatching and dispersal/migration) Noted Pigeon Lake Marsh as a potentially affected Area of Natural and Scientific Interest (ANSI) Noted a Licence to Collect Fish for Scientific Purposes or Wildlife Scientific Collector's Authorization may be required 	Forwarded to Enbridge / September 7, 2021	Stantec / December 1, 2021	Stantec responded and noted that comments would be reviewed and incorporated into the Environmental Report and addressed as required, and applicable mitigation measures will be developed where there may be potential project impacts. Stantec noted that a copy of the draft Environmental Report will be forwarded to the MMNDMNRF for review during the OPCC review process.										
9	Ashley Chelbak Kawartha Conservation	Kawartha	Email	Email	Email	c Email	Email	Email	Email	Email	Email	Email	September 9, 2021	Responded to Notice of Commencement and Virtual Open House (NoCVOH) and provided a cost estimate for conservation authority information.	Stantec GIS / September 14, 2021	Stantec / September 15, 2021	Stantec responded requesting a breakdown of the cost estimate
			September 17, 2021	Responded and provided a document noting the standard fees that KCA charges for information requests.	N/A	N/A	N/A										
10	Kelly Thompson Transport Canada Navigation Protection Program	Email	September 14, 2021	Provided information on the requirements under the Navigable Waters Act (CNWA). To determine the required approvals/authorizations required the project information should be submitted via the Project Review Tool.	N/A	N/A	N/A										
11	Susan Sun Hydro One Networks Inc. (Hydro One)	Letter via Email	September 15, 2021	Hydro One provided a response to the NoCVOH noting that in their preliminary assessment existing high voltage transmission facilities are located within the study area and requested to be kept informed as the Project progresses.	N/A	Stantec / October 21, 2021	Stantec thanked Hydro One for providing comments and noted Hydro One will be consulted as the Project progresses.										
12	Jason Yakelashek Parks Supervisor – Emily Provincial Park Ontario Parks	Phone call (voicemail)	September 21, 2021	Called and noted he has questions regarding the Project. Requested a call back.	N/A	Stantec / September 24 ^{th,} 2021	 Concerns identified included: Timing of the project: construction timing of the watercourse crossings will be based on regulatory approvals, permitting and engineering design. No further concerns. Lane closures due to construction: Stantec noted that in some limited instances lane closures may be required depending on the circumstances. This will be confirmed during construction with the contractor. No further concerns. Crossing of the Pigeon River: Stantec indicated that the pipeline stops before the Pigeon River, the label on the NoCVOH covers that detail. No further concerns. 										



Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Type	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
13	Alexandre Gitkow Corridor Management Officer (Utility) Ministry of Transportation (MTO)	Letter via Email	September 23, 2021	 Provided comments on behalf of MTO on the Project. Noted the following preliminary concerns: The proposed Supply Lateral will be cross highway 7 east of Omemee, ON (corner of CR10 and Hwy7), this crossing will need to be no less than 3 meters below the traveled portion of the highway the entire right of way and/or 1.5 meter below the bottom of the ditch whichever is greater. All buried plant should be as level as possible across the entire length of the right-of-way and should be straight (perpendicular) to the traveled portion when crossing the highway. The Ministry will also be resurfacing Hwy 7 from Omemee to Co Rd 36 in 2023. MTO work take precedent on any other work, so you may have to adjust your schedule accordingly. Will the proposed Supply Lateral be a vital or none-vital line? For the proposed Reinforcement on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Mary's Road, ending at Bethany Hills Road, the MTO wants Enbridge to use the alternative. The MTO is planning to widen Hwy 35 to 4 lane in this area in the future, which include new intersection, realigned road, overpass and underpass, so we do not want Enbridge to reinforce this section of the highway as relocation may be needed and we strongly encourage Enbridge to build the reinforcement on the alternative route along Mt Horeb Road and St. Mary's Road, ending at Bethany Hills Road and planning for the future where the line on Highway 35 may need to be moved or removed completely. Enbridge to confirm the workaround requirements for the future MTO work. Is this a 1 metre or 3 metre workaround? If you are decommissioning an existing pipe, the MTO will require that the abandoned pipe be removed completely from the ROW. 	Forwarded to Enbridge / September 23, 2021	Enbridge / October 14, 2021	Enbridge thanked MTO for their letter and comments regarding the Project and provided responses to the questions: Q1. Will the proposed Supply Lateral be a vital or non-vital line? A1. The supply lateral is considered non-vital Q2. Enbridge to confirm the work around requirements for the future MTO work. Is this a 1 metre or 3 metre work-around? A2. According to Enbridge's most recent "Third-Party Requirements in the Vicinity of Natural Gas Facilities Standard", since the line is considered, non-vital mechanical excavation is not permitted within 1m of the locate marks until visual verification has occurred.
14	Jason Yakelashek Parks Supervisor – Emily Provincial Park Ontario Parks	Email	September 28, 2021	Ontario Parks noted interest in the project if the route is approved on Emily Park Road and Peace Road. Project is adjacent to protected areas is of interest to Ontario Parks to ensure environmental impacts are minimum, including impacts to watershed and drainage channels. Ontario Parks noted the Emily Provincial Park operating schedule in the summer, and that any traffic disruptions during this time frame would be of concern to Ontario Parks and park visitors.	N/A	Stantec / November 5, 2021	Thanked Ontario Parks for providing their comments regarding the Project.



BOBCAYGEON COMMUNITY EXPANSION PROJECT

Appendix B6.1 – Project Correspondence

Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Type	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
15	Meaghan Gonsalves Co-op Environmental Management Infrastructure Ontario (IO)	Email	September 29, 2021	Initial scan performed by IO indicates that property owned by the Ministry of Government and Consumer Services is within and adjacent to the Project study area. If provincial government property in the study area is not required for the Project, IO requests that consultation is maintained as a directly affected stakeholder. If government property is required for the Project, IO should be contacted to determine requirements for obtaining government property.	Forwarded to Enbridge / September 30, 2021	Stantec / October 21, 2021	Stantec responded thanking IO for their comments and noted consultation will continue through the project planning and permitting stages. Noted that at this time work is planned to be primarily within the municipal right of way.
16	Kourosh Manouchehri Technical Standards and Safety Authority (TSSA)	Email	September 30, 2021	The TSSA requires an application be filled and submitted for review by TSSA as part of the Ontario Pipeline Coordinating Committee. A link to the application was provided.	N/A	Enbridge / October 4, 2021	Enbridge requested clarification on the timing of the application to the TSSA and asked if there are any initial comments from the TSSA related to the EA process.
	Kourosh Manouchehri Technical Standards and Safety Authority (TSSA)	Email	October 4, 2021	Confirmed that TSSA review usually starts when the application for LTC is submitted to the Ontario Energy Board (OEB) for approval. Noted that the TSSA review is mainly focused on the technical aspects and compliance to the adopted standards of the project rather than environmental aspects. TSSA does not have any initial comments on the EA process.	N/A	N/A	N/A
17	Amanda Rodek Program Analyst Ministry of Transportation	Email	October 12, 2021	Responded to the NoCVOH sent on September 1, 2021, to MTO, noting that the MTO East Region submitted a letter on September 23, 2021, and there are no further comments.	Enbridge / October 12, 2021	N/A	N/A
18	Jack Mallon Heritage Planner Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI)	Letter via Email	October 14, 2021	 MHSTCI recommends a combined Stage 1-2 Archaeological Assessment for the entire study area The Environmental Report must include specific information from the AA report(s) A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment will be undertaken for the study area and will: identify existing baseline cultural heritage conditions, identify preliminary potential project-specific impacts, and recommend measures to avoid or mitigate potential negative impacts. The findings of the above-mentioned studies should be summarized as part of the Environmental Report. MHSTCI welcomes the opportunity to review and comment upon relevant sections of the draft Environmental Report. 	N/A	Stantec / October 21, 2021	 Stantec replied to the MHSTCI letter submitted on October 14: Noted a Stage 1 Archaeological Assessment will be completed outlining area of potential for further study and will be appended to the Report. A Cultural Heritage Checklist will be completed and summarized in the Environmental Report. A Cultural Heritage Evaluation Report will be completed prior to construction. All reports and findings will be submitted to MHSTCI for review. As part of the Ontario Pipeline Coordinating Committee, the Environmental Report will be circulated to the MHSTCI for review 42 days prior to applying to the OEB for Leave to Construct.



BOBCAYGEON COMMUNITY EXPANSION PROJECT

Appendix B6.1 – Project Correspondence

Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Туре	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
19	Alexandre Gitkow Corridor Management Officer (Utility) Ministry of Transportation (MTO)	Letter via Email	September 23, 2021	MTO responded to Enbridge's response dated October 14 and recommended that Enbridge work with MTO before the permitting stage of the Project.	N/A	Enbridge / October 15, 2021	Enbridge responded to the MTO email and confirmed they will consult with MTO prior to the permitting phase as well as to discuss the comments/concerns noted.
20					N/A	Enbridge / November 15, 2021	 Enbridge responded to the letter sent via email on September 23, noting the following: The Bobcaygeon project was selected by the Ontario Government through phase two of its Natural Gas Expansion Program to provide access to reliable and affordable natural gas, to lower energy costs for families, to create new opportunities for municipalities and to help Ontario businesses become more competitive. Enbridge is committed to engaging with the MTO in the early stages of the Project and would like to discuss the preliminary preferred routing of the Reinforcement along Highway 35 Enbridge requested timelines associated with work on Highway 35 noted by MTO in their September 23 letter Enbridge requested preliminary plans or designs of the work on Highway 35 Enbridge requested to meet with the MTO to discuss the Reinforcement.
21	Monique Charette Management Biologist MECP	Email	October 25, 2021	 MECP provided preliminary SAR comments: Provided a list of threatened or endangered SAR which may be in the Project area (barn swallow, bank swallow, bobolink, eastern meadowlark, chimney swift, least bittern, eastern whip-poor-will, butternut, eastern prairie fringed orchid, Blanding's turtle, mottled duskywing. Several Blanding's turtles have been observed in the area from 2009-2018, the closest of which within 2km of the project footprint Provided the most recent guidance documents to assist in establishing best mitigation measures for the Project. SAR bats may be found in the area (SAR bat advice, maternity roost survey document and SAR bat building exit and roost survey protocols document provided). 	Forwarded to Enbridge / October 26, 2021	Stantec / December 1, 2021	Stantec responded and noted that comments would be reviewed and incorporated into the Environmental Report and addressed as required, and applicable mitigation measures will be developed where there may be potential project impacts. Stantec noted that a copy of the draft Environmental Report will be forwarded to the MECP – Species at Risk branch for review during the OPCC review process.



BOBCAYGEON COMMUNITY EXPANSION PROJECT

Appendix B6.1 – Project Correspondence

Table B6.1: Summary of Project Correspondence – Agency

Record	Correspondent	Туре	Date	Subject Matter	Forwarded/ Date	Responder/Date	Response
22	City of Kawartha Lakes	Meeting	November 23, 2021	Enbridge representatives met with the City of Kawartha Lakes Mayor and Council to continue discussions regarding the Project. The purpose of the meeting was to provide Council with a quarterly update highlighting key project milestones and answer any questions they may have. Enbridge provided an overview of the virtual open house indicating that the project was largely well received with 245 visits. Enbridge explained that although the project was largely well received by the community, Enbridge received one submission regarding an anti-pipeline sentiment. Enbridge indicated that the project team continues to consult and engage with First Nations as part of Enbridge's commitment to consultation.	N/A	N/A	N/A
				The project team further explained that as part of the regulatory application, Enbridge will be required to demonstrate the customer attachment forecast anticipated in the town of Bobcaygeon which includes potential future growth. The Mayor confirmed that he would be pleased to provide this letter.			
				With regards to upcoming field work, Enbridge confirmed that geotechnical borehole drilling is scheduled for early December and potentially around Little and Big Bobcaygeon channel in late 2021 and early 2022. Enbridge confirmed that Stantec services was rendered to perform this scope of work. The Enbridge project team also explained that ongoing field work throughout the next quarter would involve surveys conducted by JD Barnes. Enbridge explained that the surveys were non-invasive and would involve mapping out above ground features such as property lines and verifying subsurface utilities. This information was shared with Council as a proactive measure in the event question or inquiries were made by the residents. The Mayor and Council appreciated the update and Enbridge confirmed that quarterly touchpoint meetings would be scheduled for 2022.			
23	МТО	Meeting (via Microsoft Teams)	December 1, 2021	Enbridge representatives met with representatives from the MTO to discuss the Project and MTO's concerns raised over the proposed reinforcement along Highway 35 as the MTO are planning to widen Highway 35 to 4 lanes in this area in the future. MTO committed to sending mapping that shows land owned by MTO. Discussions are ongoing between MTO and Enbridge.	N/A	N/A	N/A



From: Orpana, Jon (MECP)

To: <u>Hartwig, Emily; McNairn, Derek (MECP)</u>

Cc: BobcaygeonEA

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Wednesday, September 1, 2021 3:15:07 PM

Thanks Emily,

Appreciate your quick response.

Have a great day!

Jon

Jon K. Orpana

Regional Environmental Planner

Environmental Assessment Branch

Ministry of the Environment, Conservation and Parks

Kingston Regional Office

PO Box 22032, 1259 Gardiners Road

Kingston, Ontario

K7M 8S5

Phone: (613) 548-6918 Fax: (613) 548-6908

Email: jon.orpana@ontario.ca

From: Hartwig, Emily <Emily.Hartwig@stantec.com>

Sent: September 1, 2021 3:08 PM

To: Orpana, Jon (MECP) <Jon.Orpana@ontario.ca>; McNairn, Derek (MECP)

<derek.mcnairn@ontario.ca>

Cc: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good afternoon Jon,

Thank-you for your response. I have attached a shapefile for the project (provided by Enbridge). Please note the following disclaimer that accompanies this shapefile:

The proposed shapefile does not indicate side of road rather the general routing that is contained within the preliminary plan. The information contained in the shapefile should be treated as

confidential and is only for the use of intended recipient and may not be used, published or redistributed without the consent of Enbridge Gas Inc. This document provides general information only and may be subject to change at any time without notice.

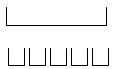
Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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From: Orpana, Jon (MECP) < Jon. Orpana@ontario.ca>

Sent: Wednesday, September 1, 2021 1:38 PM

To: McNairn, Derek (MECP) <derek.mcnairn@ontario.ca>; Hartwig, Emily

<Emily.Hartwig@stantec.com>

Subject: FW: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House

Hi Derek,

I just got this Notice of Commencement for a Pipeline project in Bobcaygeon. There is a map of the proposal on the notice.

If possible by way of this email I am asking Stantec / Enbridge to send a copy of the shape file of the project / influence area for your use. I was wondering if you can create a map with all of the layers that would be pertinent such as source protection etc. that you have included in the past. I will use it to circulate to our SAR folks and for other MECP staff to comment on the project.

Looks like your off! Hope you enjoyed the last week of summer off with your family. Hope your little guy is doing great!

Thanks in advance.

Jon

Regional Environmental Planner

Environmental Assessment Branch

Ministry of the Environment, Conservation and Parks

Kingston Regional Office

PO Box 22032, 1259 Gardiners Road

Kingston, Ontario

K7M 8S5

Phone: (613) 548-6918 Fax: (613) 548-6908

Email: jon.orpana@ontario.ca

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:59 AM

To: Orpana, Jon (MECP) < <u>Jon.Orpana@ontario.ca</u>>

Cc: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>;

BobcaygeonEA < BobcaygeonEA@stantec.com >

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open

House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

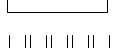
Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

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From: Orpana, Jon (MECP)

To: <u>Hartwig, Emily</u>; <u>Species at Risk (MECP)</u>

 Cc:
 sonia.fazari@enbridge.com; BobcaygeonEA; Charette, Monique (MECP); Potter, Katy (MECP)

 Subject:
 RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Wednesday, September 8, 2021 8:57:01 AM

Thanks for that Emily,

I am the MECP representative in eastern Region that will be coordinating review comments for this project. I am also not on the Pipeline Coordinating Committee.

It is my understanding that the committee is not active from our end.

The province is divided into 5 regions and there Regional Environmental Planners in each region that need to be contacted regarding pipeline projects depending on the region they fall within.

I will look forward to ongoing correspondence regarding this file.

Regards,

Jon

Jon K. Orpana
Regional Environmental Planner
Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
Kingston Regional Office
PO Box 22032, 1259 Gardiners Road
Kingston, Ontario
K7M 8S5

Phone: (613) 548-6918 Fax: (613) 548-6908

Email: jon.orpana@ontario.ca

From: Hartwig, Emily < Emily. Hartwig@stantec.com>

Sent: September 8, 2021 8:06 AM

To: Orpana, Jon (MECP) < Jon. Orpana@ontario.ca>; Species at Risk (MECP)

<SAROntario@ontario.ca>

Cc: sonia.fazari@enbridge.com; BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning Jon,

Thank-you for your email. The Notice of Commencement and Virtual Open House was sent to the Species at Risk Ontario email address you noted (attached for your reference).

Additionally, a representative from the MECP is on the Ontario Pipeline Coordinating Committee (OPCC) so when the Environmental Report is complete, the MECP will have the opportunity to review and provide comments prior to submission to the Ontario Energy Board (OEB).

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Orpana, Jon (MECP) < <u>Jon.Orpana@ontario.ca</u>>

Sent: Tuesday, September 7, 2021 4:15 PM

To: Hartwig, Emily < Emily.Hartwig@stantec.com>; Species at Risk (MECP) < SAROntario@ontario.ca>

Cc: sonia.fazari@enbridge.com; BobcaygeonEA BobcaygeonEA@stantec.com

Subject: FW: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Hello Emily,

I am not sure if you have in the past; forwarded these projects onto the SAR Ontario email. Most of the Notices I have seen have been sent to our Species at Risk folks for consideration. I did not notice in my circulation... a CC to SAR.

As this is such a substantial project in length and potential impacts on water courses / wetlands, and species,; I would recommend early dialogue with our SAR Branch based on other projects. This is because there could be seasonal as well as species related impacts that would need to be mitigated and in some locations directional

drilling would need to be considered for mitigation efforts.

Also for such an extensive project we would appreciate the ability to look at a draft report if possible in advance of the final to ensure that all potential adverse impacts are considered and mitigated in the preferred alternative route.

Thanks in advance,

Jon

Jon K. Orpana
Regional Environmental Planner
Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
Kingston Regional Office
PO Box 22032, 1259 Gardiners Road
Kingston, Ontario
K7M 8S5

Phone: (613) 548-6918 Fax: (613) 548-6908

Email: jon.orpana@ontario.ca

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:59 AM

To: Orpana, Jon (MECP) < <u>Jon.Orpana@ontario.ca</u>>

Cc: Sarah Kingdon-Benson < <u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>;

BobcaygeonEA < BobcaygeonEA@stantec.com >

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open

House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

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From: Charette, Monique (MECP)

To: Orpana, Jon (MECP); Hartwig, Emily

Cc: sonia.fazari@enbridge.com; BobcaygeonEA; Potter, Katy (MECP)

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Wednesday, September 8, 2021 11:00:38 AM

Hi Emily,

I'm writing to confirm that we have received your Notice of Commencement and I'm the Biologist assigned to the review. I hope to have preliminary comments ready over the next week or so.

Thanks

Monique Charette

Management Biologist
Ministry of the Environment, Conservation and Parks
Permissions and Compliance Section
Species At Risk Branch
(613) 583-3162
Monique.charette@ontario.ca

From: <u>Hartwig, Emily</u>
To: <u>Orpana, Jon (MECP)</u>

 Cc:
 Redmond, Courtney (MECP); BobcaygeonEA

 Subject:
 RE: Bobcaygeon Pipeline NOC Response - MECP

 Date:
 Friday, November 12, 2021 2:01:00 PM

Good afternoon,

My apologies for the delay in this response – we have received your comments as noted below. We will review and incorporate the comments into the Environmental Report and address as required, and applicable mitigation measures will be developed where there may be potential project impacts.

A copy of the draft Environmental Report will be forwarded to the MECP for review during the Ontario Pipeline Coordinating Committee (OPCC) review process.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

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From: Orpana, Jon (MECP) < Jon. Orpana@ontario.ca>

Sent: Thursday, September 9, 2021 11:49 AM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: Redmond, Courtney (MECP) < Courtney. Redmond@Ontario.ca>

Subject: Bobcaygeon Pipeline NOC Response - MECP

Hello Emily,

Please find attached MECP's preliminary comments on the above mentioned pipeline project.

Regards,

Jon

Regional Environmental Planner
Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
Kingston Regional Office
PO Box 22032, 1259 Gardiners Road
Kingston, Ontario
K7M 8S5

Phone: (613) 548-6918 Fax: (613) 548-6908

Email: jon.orpana@ontario.ca

Ministry of the Environment, Conservation and Parks

Eastern Region 1259 Gardiners Road, Unit 3 Kingston ON K7P 3J6 Phone: 613.549.4000 or 800.267.0974 Ministère de l'Environnement, de la Protection de la nature et des Parcs

Région de l'Est 1259, rue Gardiners, unité 3 Kingston (Ontario) K7P 3J6 Tél: 613 549-4000 ou 800 267-0974



By email only

September 9, 2021

Attention: Emily Hartwig, Environmental Consultant, Stantec Consulting Ltd.

BobcaygeonEA@stantec.com

Dear Ms. Hartwig:

Re: Notice of Study Commencement and Public Open House Proposed Bobcaygeon Expansion Project, Bobcaygeon, Ontario

Thank you for providing the Notice of Study Commencement dated September 1, 2021. As this project is located in Eastern Region, this office will be the Ministry of Conservation and Parks (MECP) contact for this project.

We request a copy of the Environmental Report for review, when it is available. MECP is interested in the following issues with respect to pipelines.

This ministry reviews pipeline proposals from the perspective of its technical mandate. This mandate is derived from the following pieces of legislation and their respective regulations. This Ministry's general areas of concern include the following: water quality and quantity, erosion and sedimentation, sewage and water systems, waste management, sediment and soil contamination, air quality, noise and vibration, Source Water Protection, species at risk, climate change and land use compatibility.

The following provides a brief description of considerations which are within the direct interest of the Ministry of Environment and Climate Change (MECP) and which, where appropriate, should be addressed or identified in your assessment.

Water Quality and Quantity:

MECP has an interest in potential impacts to surface and groundwater quality and quantity, including water in lakes, rivers, streams, wetlands and in the subsurface as related to such activities as water crossings, impacts to wells during dewatering activities, blasting, and hydrostatic testing of pipelines.

If construction involves taking, dewatering, storage or diversion of water in excess of 50,000 litres per day, the activity may be required to be registered on the Environmental Activity and Sector Registry (EASR) or may require a Permit To Take Water. The

process to be used depends on the source of the water, the quantity of water taken, and the type of construction activity. EASR requirements for water takings for construction dewatering are prescribed in Ontario Regulation 63/16 under the Environmental Protection Act. The Permit To Take Water requirements are prescribed in Section 34, Ontario Water Resources Act.

Where there is a potential to impact creeks, rivers and lakes, appropriate mitigation measures should be considered prior to construction. Machinery should not operate directly in a watercourse; refuelling of all vehicles and equipment should be done away from watercourses; adequate erosion and sedimentation controls must be incorporated into the planning and construction for the project; the time of excavation to restoration must be kept to a minimum; disturbed shoreline should be stabilized as soon as possible; removal of vegetation from the right-of-way should be kept to a minimum; materials removed and stockpiled such as excavated soil and backfill material must be contained in a manner to ensure sediment does not enter a waterway. Where dredging is required, consideration should be given to appropriate storage, handling, dewatering and disposal of excavated material.

Guidance on nearshore construction and dredging may be obtained from this Ministry's *Guidelines for Evaluating Construction Activities Impacting on Water Resources* dated January 1995 and *Evaluating Construction Activities Impacting on Water Resources*, *Part III A, Part III B, and Part III C* dated February 1994.

Source Water Protection

Water intakes and water supplies must be protected during construction.

Your proposed pipeline travels in close proximity and through a number of mapped source protection features. The mapped route (shapefile) of your pipeline project has been appended to a map and forwarded to MECP Source Water Protection Branch staff to review and comment in advance of your completed report which I will forward to them to review also.

The following few paragraphs are standard SP comments for Notices of Commencement for pipeline projects:

Source Protection Programs Branch (SPPB) has received notification about this natural gas pipeline project. Natural gas pipelines are not identified as a threat to drinking water sources under the Clean Water Act, 2006. However, certain activities related to the construction of pipelines may pose a risk to sources of drinking water. SPPB offers the following information for your consideration as you proceed with the assessment of this proposed project and development of an Environmental Report per the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario.*

The *Clean Water Act, 2006* (CWA) aims to protect existing and future sources of drinking water. To achieve this, several types of vulnerable areas are delineated around surface water intakes and wellheads for every municipal residential drinking water system that is located in a source protection area. These vulnerable areas are known as

a Wellhead Protection Areas (WHPAs), and surface water Intake Protection Zones (IPZs). Other vulnerable areas that can be delineated under the CWA for municipal drinking water systems include Significant Groundwater Recharge Areas (SGRAs) and Highly Vulnerable Aquifers (HVAs). In addition, event-based modelling areas (EBAs) and Issues Contributing Areas (ICAs) may also occur, overlapping with one of the four above-named vulnerable areas.

To identify whether the project would be occurring within a drinking water source protection area, and whether it intersects with a vulnerable area, please consult the Source Protection Information Atlas:

https://www.gisapplication.lrc.gov.on.ca/SourceWaterProtection/Index.html?site=SourceWaterProtection&viewer=SWPViewer&locale=en-US

Specifically, natural gas pipeline projects may include activities during the construction or maintenance phases that, if located in a vulnerable area, may pose a risk to sources of drinking water (i.e. have the potential to adversely affect the quality or quantity of drinking water sources) and could be subject to policies in a source protection plan. Where an activity poses a risk to drinking water, policies in the local source protection plan may impact how or where that activity is undertaken. For example, construction and maintenance phase activities that may pose a risk to sources of drinking water may include the storage of fuel, stormwater management facilities, and the relocation of sanitary sewage pipes. Policies may prohibit certain activities, or they may require risk management measures for these activities.

Where an activity related to the construction or maintenance phase of the natural gas pipeline poses a risk (significant, moderate, or low) to drinking water, the proponent should document and discuss in the environmental report how the project addresses applicable policies in the local source protection plan. This section should then be used to inform, and be reflected in, other sections of the report; such as the identification of net positive/negative effects of alternatives, mitigation measures, evaluation of alternatives etc. Environmental reports may refer to spill prevention and contingency plans and other mitigation measures that protect human and environmental health. Environmental reports should also demonstrate how these measures protect sources of drinking water to address the intent of the CWA.

The environmental report should also identify how sensitive hydrologic features including current or future sources of drinking water not explicitly addressed in source protection plans, will be protected during the construction and maintenance of the project. This may include private systems – individual or clusters, and designated facilities within the meaning of O. Reg. 170/03 under the Safe Drinking Water Act – i.e., camps, schools, health care facilities, seasonal users, etc.

For further information about the source protection plan and assistance in identifying all applicable policies and their requirements, proponents should contact source protection program manager for the applicable source protection region.

https://conservationontario.ca/conservation-authorities/source-water-protection/source-protection-plans-and-resources/

This office generally recommends that in areas where dewatering or work below the water table occurs, a well survey should be conducted on all water wells within 100 metres of the preferred route. In some areas, sampling of all wells may not be

necessary, provided an adequate number of representative wells are sampled. Where pre-construction well conditions are collected, we generally recommend the following:

Static water levels and depths for wells that are accessible for measurement should be recorded. Well construction details should also be recorded.

Water samples should be collected from the wells after a suitable period of flow. The water should be analyzed for the following parameters: calcium, magnesium, sodium, chloride, sulphate, hydrogen sulphide, iron, conductivity, total dissolved solids, turbidity, colour, total organic carbon, organic nitrogen, BOD, nitrate, nitrite, ammonia, bacteriological parameters and any other site-specific relevant parameters.

Statements should be obtained from homeowners on the adequacy of their supply. The accessibility of the well is the responsibility of the owner. If the owner does not agree to the testing and interviewing the owner's refusal should be recorded.

It is the responsibility of the company to provide temporary and permanent water supplies if necessary. If extensive dewatering will be necessary during construction, the company may wish to consider monitoring of representative wells for water levels and other parameters of interest during construction.

Erosion and Sedimentation:

The MECP is concerned with erosion and sediment controls and other practices for managing surface runoff and water crossings, to prevent entry of contaminants into waterbodies, including proper discharge of hydrostatic test water and proper siting and disposal of excess fill and excavated material.

Excess Soils and Waste Management:

The MECP has an interest in management of waste materials including those from construction and excavation (e.g. contaminated sediments/soils, non-operating and/or operating landfills) and operation. The report should identify potential sources of sediment and soil contamination, and proper containment, clean-up and disposal of contaminants. A disposal plan should be developed for drilling waste such as wastewater, bentonite, drill cuttings and any other waste material.

Waste, including contaminated soil, must be managed in accordance with MECP standards and legislation. The Environmental Protection Act (EPA) and Regulation 347 require waste to be classified and disposed of appropriately. Waste must be transported by haulers who have a "Certificate of Approval – Waste Management System". Where waste is other than solid non-hazardous, the generator requires a "Generator Registration Number" from the Ministry and has obligations regarding manifesting of waste. When determining the waste category, the proponent must ensure compliance with Schedule 4 of Regulation 347.

5 of 8

Please refer to this ministry's "Management of Excess Soil – A Guide for Best Management Practices" for guidance on characterization, storage and reuse of soils that may be generated by the project. There is some additional guidance appended to this letter regarding excess soils.

This Ministry's Waste Disposal Site Inventory, dated June 1991, may be helpful in identifying the locations of open and closed waste disposal sites in Ontario.

Spills should be reported to the Spills Action Centre of the Ministry of Environment at 1-800-268-6060.

Air Quality and Blasting:

MECP has an interest in control of impacts to air quality, including the control of odour, noise, dust and other contaminants during construction and operation and contingency activities.

Where blasting is required, we recommend that protocols be set up and followed for onsite and receptor blast monitoring (vibration and concussion), and that 48 hour notice be given to area residents prior to blasting. Pre-blast surveys are recommended. Noise, dust and flyrock should be controlled.

Land Use:

Incompatible or conflicting land uses which affect or are affected by pipeline proposals could include: operating or non-operating landfill sites; existing or closed industrial sites both on or adjacent to the right-of-way and/or upstream of a water crossing; and residences which might potentially suffer impact from noise and/or impacts on water wells or septic systems, evaluated and unevaluated wetlands and species at risk,

We recommend that complaint response protocols be developed to address reported well water disturbances, noise, dust and claims of property damage.

MECP Peterborough District Comments

I also took the liberty of forwarding your proposed pipeline route to our Peterborough District Office for their review and comment from the perspective of contaminated sites which your proposed route may encounter. They have provided the following comments for your consideration as you move through this project:

• I looked at each of the maps. I only have one specific item to flag. The closed Emily Landfill is located at the corner of Shamrock Road and Centreline Road (aka CR 10). The groundwater plume arguably extends to the SE of the landfill just where the pipeline is crossing. As well, there may be some issues with shallow GW from the works yard (road salt) at the same corner. Enbridge should consult with the City of Kawartha Lakes on when working in this immediate area just to rule out any concerns and to locate the monitoring wells.

• In a more general sense my comment is that because they will likely be using directional drilling, then Enbridge should be cautious crossing the many watercourses, wetland features and the source water protection areas. This is especially the case where the fractured bedrock is located at or near the ground surface. Enbridge (and Stantec) have had some issues with this previously (Fenelon Falls area) and should be sensitive to it. The subcontractors need to be aware that the drilling mud will tend to follow the fractures in the bedrock instead of the intended flow path. Procedures should be in place for modified directional drilling or trenches for these situations.

Species at Risk

I have also taken the liberty of forwarding on your mapped route to our Species at Risk Biologist for preliminary review due to the scope and scale of your project and that it is in close proximity to evaluated and unevaluated wetlands. I understand through email correspondence that you have already submitted this project to our SAR Branch email and that a MECP Biologist has been assigned to this project.

Thank you for bringing this project to our attention. If you have any questions about MECP requirements with respect to the above issues, please contact me.

Yours truly,

Jon Orpana,

Environmental Planner / Environmental Assessment Coordinator Ontario Ministry of the Environment, Conservation and Parks 1259 Gardiners Road, Unit 3 Kingston, Ontario K7P 3J6

Cell Ph. 613-561-8250 Phone Number. 613 548-6918 jon.orpana@ontario.ca

ec: Courtney Redmond, District Supervisor,
Peterborough District Office
Ministry of the Environment, Conservation and Parks
Courtney.redmond@ontario.ca

7 of 8

Guidance:

Climate Change

Ontario is leading the fight against climate change through the Climate Change Action Plan (https://www.ontario.ca/page/climate-change-action-plan). Recently released, the plan lays out the specific actions Ontario will take in the next five years to meet its 2020 greenhouse gas reduction targets and establishes the framework necessary to meet its long-term targets. As a commitment of the action plan, the province has now finalized a guide, "Considering Climate Change in the Environmental Assessment Process" (Guide) (https://www.ontario.ca/page/considering-climate-change-environmental-assessment-process)

The Guide is now a part of the Environmental Assessment program's Guides and Codes of Practice. The Guide sets out the MECP's expectation for considering climate change in the preparation, execution and documentation of environmental assessment studies and processes. The guide provides examples, approaches, resources, and references to assist proponents with consideration of climate change in EA. **Proponents should review this Guide in detail.**

• The MECP expects proponents to:

Consider during the assessment of alternative solutions and alternative designs, the following:

- 1. a. the project's expected production of greenhouse gas emissions and impacts on carbon sinks (climate change mitigation); and
- b. resilience or vulnerability of the undertaking to changing climatic conditions (climate change adaptation).
- 2. Include a discrete section in the report detailing how climate change was considered in the EA/study.

How climate change is considered can be qualitative or quantitative in nature and should be scaled to the project's level of environmental effect. In all instances, both a project's impacts on climate change (mitigation) and impacts of climate change on a project (adaptation) should be considered.

• The MECP has also prepared another guide to support provincial land use planning direction related to the completion of energy and emission plans. The "Community Emissions Reduction Planning: A Guide for Municipalities" (https://ero.ontario.ca/notice/013-2083?_ga=2.113331267.532557834.1525694946-2101883328.1501507205) document is designed to educate stakeholders on the municipal opportunities to reduce energy and greenhouse gas emissions, and to provide guidance on methods and techniques to incorporate consideration of energy and greenhouse gas emissions into municipal activities of all types. We encourage you to review the Guide for information.

8 of 8

Excess Materials Management

- In December 2019, MECP released a new regulation under the Environmental Protection Act, titled "On-Site and Excess Soil Management" (O. Reg. 406/19) to support improved management of excess construction soil. This regulation is a key step to support proper management of excess soils, ensuring valuable resources don't go to waste and to provide clear rules on managing and reusing excess soil. New risk-based standards referenced by this regulation help to facilitate local beneficial reuse which in turn will reduce greenhouse gas emissions from soil transportation, while ensuring strong protection of human health and the environment. The new regulation is being phased in over time, with the first phase set to come into effect on January 1, 2021. Please visit https://www.ontario.ca/page/handling-excess-soil.
- Activities involving the management of excess soil should be completed in accordance with O. Reg. 406/19 and the MECP's current guidance document titled "Management of Excess Soil A Guide for Best Management Practices" (2014)
 (https://www.ontario.ca/page/management-excess-soil-guide-best-management-practices).

All waste generated during construction must be disposed of in accordance with ministry requirements

Species at Risk

 The Ministry of the Environment, Conservation and Parks has now assumed responsibility of Ontario's Species at Risk program. For any questions related to consideration of SAR and subsequent permit requirements, please contact SAROntario@ontario.ca. From: Hartwig, Emily

To: Warren, Catherine (MNRF)

Subject: RE: FYI: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

NDMNRF File No: 21-VERU-CKL-EAE-3183

Date: Wednesday, December 1, 2021 10:28:00 AM

Good morning,

My apologies for the delay in this response – we have received your comments as noted below. We will review and incorporate the comments into the Environmental Report and address as required, and applicable mitigation measures will be developed where there may be potential project impacts.

A copy of the draft Environmental Report will be forwarded to the MNDMNRF for review during the Ontario Pipeline Coordinating Committee (OPCC) review process.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Warren, Catherine (MNRF) < Catherine. Warren@ontario.ca>

Sent: Tuesday, September 7, 2021 2:28 PM

To: Hartwig, Emily < Emily. Hartwig@stantec.com>

Subject: RE: FYI: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House NDMNRF File No: 21-VERU-CKL-EAE-3183

Hello Emily,

The NDMNRF Peterborough District has received your notice dated September 1, 2021 regarding the Enbridge Gas Inc. Bobcaygeon Community Expansion Project, Notice of Study Commencement located in the City of Kawartha Lakes and the Township of Cavan-Monaghan. We provide the following general information for your consideration.

General: MNRF Data and Information

The MNRF's natural heritage and natural resources GIS data layers can be obtained through the Ministry's Land Information Ontario (LIO) website. You may also view

natural heritage information online (e.g., Provincially Significant Wetlands, ANSIs, woodlands, etc.) using the <u>Natural Heritage Make a Map</u> tool.

We recommend that you use the above-noted sources of information during the review of your project proposal.

Provincial Plans

The subject area is located within the Growth Plan area. We recommend that the local municipality be consulted with regard to potential study requirements for this proposal under the applicable plans.

Natural Heritage Systems/ Growth Plan

Infrastructure policies of the Growth Plan state that an environmental assessment should demonstrate "that any impacts on key natural heritage features in the Natural Heritage System for the Growth Plan, key hydrologic features and key hydrologic areas have been avoided, or if avoidance is not possible, minimized and to the extent feasible mitigated." (S. 3.2.5). Please see the Growth Plan definitions for a list of key natural heritage features and key hydrologic features. Please note that not all key natural heritage features or key hydrologic features have been mapped in advance and field verifications may be required to map some of these features.

Wetlands

The subject area contains/is adjacent to wetlands.

MNRF recommends that new footprint or disturbance (including temporary disturbance e.g. laydown areas) be avoided within or adjacent to wetlands. Work should avoid negative impacts to these features by following best practices for construction e.g. avoiding sedimentation into wetlands. The use of equipment cleaning protocols is strongly recommended to prevent the introduction or spread of invasive species (e.g. European common reed, *Phragmites australis*) into natural heritage features. An example protocol can be found here:

http://www.ontarioinvasiveplants.ca/wp-content/uploads/2016/07/Clean-Equipment-Protocol_June2016_D3_WEB-1.pdf

General turtle critical periods include;

Active season: April 15th – October 15th Hibernation: October 15th – April 15th

Nesting: May 15th – June 30th; lasts about 3 weeks each year

Hatching: August 15th – September 30st

Dispersal/migration: April 15th – May 15th; September 1st – September 30th

If works are planned between May 15 and September 30 and work locations are adjacent to wetlands, ponds, or lakes, they should have turtle exclusion fencing erected prior to May 15 and maintained until June 30 to prevent turtles from nesting in the work area. BMP for fencing can be found at https://files.ontario.ca/bmp_herp_2016_final_final_resized.pdf

ANSIs

The ANSI which seems to be most affected by this project is Pigeon Lake Marsh. See page 38 of the attached site district report where Pigeon Lake Marsh is mentioned. That ANSI has regional significance.

Fish and Wildlife Conservation Act

Please note that you may require a Licence to Collect Fish for Scientific Purposes or Wildlife Scientific Collector's Authorization from our office if you will be doing any fish or wildlife sampling, collection, salvage, or relocation. For more information, please contact Julie Formsma, Fish and Wildlife Technical Specialist, at 705-772-9863.

Other Approvals

It is the responsibility of the proponent to acquire all other information and necessary approvals from any other municipal, Conservation Authority, provincial, or federal authority under other legislation.

If you have any questions regarding the above comments, don't hesitate to contact me. Please reference file number 21-VERU-CKL-EAE-3183 for any future correspondence.

Sincerely, Catherine

From: Johnston, Keith (MNRF) < Keith.Johnston@ontario.ca>

Sent: September 2, 2021 10:38 AM

To: Warren, Catherine (MNRF) < <u>Catherine.Warren@ontario.ca</u>>

Cc: Lindenburger, Ruth (MNRF) < <u>Ruth.Lindenburger@ontario.ca</u>>; Spang, Elizabeth (MNRF)

<<u>Elizabeth.Spang@ontario.ca</u>>

Subject: FYI: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House

Morning Catherine,

FYI - for your files.

Regards, Keith

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:59 AM

To: Renwick, Sally (MECP) < <u>Sally.Renwick@ontario.ca</u>>

Cc: Sarah Kingdon-Benson < <u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>; BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

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1-70 Southgate Drive Guelph ON N1G 4P5



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From: Ashley Chlebak
To: Hartwig, Emily

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Friday, September 17, 2021 8:41:04 AM

Attachments: <u>image001.png</u>

Permit Fee Schedule.pdf

Hi Emily,

This is our standard fee for this type of inquiry. Please see page 4 under "Proposal Review/Request for Information" of the attached permit fee schedule.

Let me know if you have questions about this. Best regards,

Ashley Chlebak, B.Sc., Dipl.(Env. Tech)
Regulation & Permitting Technician
KAWARTHA CONSERVATION
277 Kenrei Road
Lindsay, ON K9V 4R1

Tel: 705.328.2271 ext. 231

Fax: 705.328.2286

Apply for your permit online today! Go to KawarthaConservation.com

IMPORTANT COVID-19 NOTICE: In light of health concerns related to the COVID-19 virus and in response to the Province's orders under the *Emergency Management and Civil Protection Act*, the Kawartha Conservation Administrative office is closed to the public at this time. Staff are available remotely, or in person by appointment to assist with all business needs. Further information can be obtained by calling the office or visiting our website.



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From: Hartwig, Emily <Emily.Hartwig@stantec.com>

Sent: September 15, 2021 9:59 AM

To: Ashley Chlebak < Achlebak@kawarthaconservation.com>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House

Good morning Ashley,

Thank-you for your response. Can you please provide a breakdown of the cost estimate you provided? We have not submitted a request for Conservation Authority GIS data (our GIS analyst will be submitting this request later today). Just want to clear up any confusion on what has been requested thus far.

Thanks!

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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From: Ashley Chlebak <<u>Achlebak@kawarthaconservation.com</u>>

Sent: Thursday, September 9, 2021 2:38 PM

To: Hartwig, Emily < Emily.Hartwig@stantec.com>

Cc: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>; BobcaygeonEA <<u>BobcaygeonEA@stantec.com</u>>; Ron Warne <<u>rwarne@kawarthaconservation.com</u>>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Good Afternoon Emily,

Your request for information in relation to this project has been received.

The associated fee for this type of request is \$1,000. Payment can be made by e-transfer, cheque or credit card over the phone. Please let me know which option you would prefer and I can provide instructions.

We will have a formal letter prepared and issued by email to you by October 12, 2021 as requested.

Thank you,

Ashley Chlebak, B.Sc., Dipl.(Env. Tech)
Regulation & Permitting Technician
KAWARTHA CONSERVATION
277 Kenrei Road
Lindsay, ON K9V 4R1

Tel: 705.328.2271 ext. 231

Fax: 705.328.2286

Apply for your permit online today! Go to KawarthaConservation.com

IMPORTANT COVID-19 NOTICE: In light of health concerns related to the COVID-19 virus and in response to the Province's orders under the *Emergency Management and Civil Protection Act*, the Kawartha Conservation Administrative office is closed to the public at this time. Staff are available remotely, or in person by appointment to assist with all business needs. Further information can be obtained by calling the office or visiting our website.



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From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:57 AM

To: Ashley Chlebak < <u>Achlebak@kawarthaconservation.com</u>>

Cc: Sarah Kingdon-Benson < <u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>; BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

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 From:
 NPP ONT / PPN ONT

 To:
 Hartwig, Emily; BobcaygeonEA

 Cc:
 Sarah Kingdon-Benson

Subject: RE: Bobcaygeon Community Expansion Project - Phone Number Change

Date: Tuesday, September 14, 2021 8:04:13 AM

Good morning

The Navigation Protection Program (NPP) is responsible for the administration of the *Canadian Navigable Waters Act* (CNWA), which prohibits the construction or placement of any "works" in, on, over, under, through, or across a navigable waterway without complying with the requirements of the Act. The Navigation Protection Program also maintains responsibility for provisions of the *Wrecked, Abandoned or Hazardous Vessels Act* (WAHVA), as well as the Private Buoy Regulations under the *Canada Shipping Act, 2001*.

In the event that your project involves a navigable waterway, it is important to note that you have responsibilities under the CNWA.

To determine the required approvals/authorizations required, please go to our <u>external submission</u> <u>site</u>, create an account and complete the "Project Review Tool". This tool will guide you to the appropriate process to ensure your projects compliance with the CNWA.

If you have any other questions please feel free to contact us.

Regards,

Kelly Thompson

Inspection Officer
Navigation Protection Program, TransportCanada
Ontario Region
100 Front Street South
Sarnia, Ontario, N7T 2M4

nppont-ppnont@tc.gc.ca / Tel : 519-383-1863 / TTY : 1-888-675-6863

The Canadian Navigable Waters Act protects the rights of all Canadians to use and enjoy our waterways for travel, recreation, and transport. Watch this video to learn more: https://tc.canada.ca/en/corporate-services/video-gallery/canadian-navigable-waters-act.

Agent Inspection
Programme de la pretoection de la navigation, Transports Canada
Region de l'Ontario
100 rue Front S
Sarnia, Ontario, N7T7R1
nppont-ppnont@tc.gc.ca / Tel : 519-383-1863 / ATS : 1-888-675-6863

La *Loi sur les eaux navigables canadiennes* protège les droits de tous les Canadiens à utiliser et à profiter de nos voies navigables pour les voyages, les loisirs et le transport. Regardez cette vidéo pour en savoir plus : https://tc.canada.ca/fr/services-generaux/galerie-videos/loi-eaux-navigables-canadiennes

From: Hartwig, Emily [mailto:Emily.Hartwig@stantec.com]

Sent: Tuesday, September 07, 2021 1:18 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Subject: Bobcaygeon Community Expansion Project - Phone Number Change

Good afternoon,

Please be advised that the contact phone number for the Bobcaygeon Community Expansion Project has changed. If you would like to speak with the project team regarding the proposed project, please dial: **(519) 585-3849**.

Information on the Bobcaygeon Community Expansion Project, the upcoming Virtual Open House and contact information for the project team can be found on the attached notice.

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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From: Hartwig, Emily

To: <u>Department.SecondaryLandUse@hydroone.com</u>

Cc: BobcaygeonEA

Subject: RE: Hydro One Response: Enbridge Gas Inc Bobcaygeon Community Expansion Project

Date: Thursday, October 21, 2021 3:48:00 PM

Good afternoon.

Thank-you for providing these comments regarding the Bobcaygeon Community Expansion Project. We will continue to consult with Hydro One as the project progresses.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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From: Susan.SUN@HydroOne.com <Susan.SUN@HydroOne.com> On Behalf Of

Department.SecondaryLandUse@hydroone.com **Sent:** Wednesday, September 15, 2021 1:42 PM **To:** BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: Hydro One Response: Enbridge Gas Inc Bobcaygeon Community Expansion Project

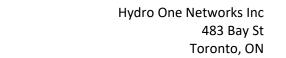
Please see the attached for Hydro One's Response.

Hydro One Networks Inc

SecondaryLandUse@HydroOne.com

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September 15, 2021

Re: Enbridge Gas Inc. Bobcaygeon Community Expansion Project

Attention:

Emily Hartwig Environmental Consultant, Assessment and Permitting Stantec Consulting Ltd.

Thank you for sending us notification regarding (Enbridge Gas Inc. Bobcaygeon Community Expansion Project). In our preliminary assessment, we have confirmed that Hydro One has existing high voltage Transmission facilities within your study area (see map attached). At this time we do not have sufficient information to comment on the potential resulting impacts that your project may have on our infrastructure. As such, we must stay informed as more information becomes available so that we can advise if any of the alternative solutions present actual conflicts with our assets, and if so; what resulting measures and costs could be incurred by the proponent. Note that this response does not constitute approval for your plans and is being sent to you as a courtesy to inform you that we must continue to be consulted on your project.

In addition to the existing infrastructure mentioned above, the applicable transmission corridor may have provisions for future lines or already contain secondary land uses (e.g., pipelines, watermains, parking). Please take this into consideration in your planning.

Also, we would like to bring to your attention that should (Enbridge Gas Inc. Bobcaygeon Community Expansion Project) result in a Hydro One station expansion or transmission line replacement and/or relocation, an Environmental Assessment (EA) will be required as described under the Class Environmental Assessment for Minor Transmission Facilities (Hydro One, 2016). This EA process would require a minimum of 6 months for a Class EA Screening Process (or up to 18 months if a Full Class EA were to be required) to be completed. Associated costs will be allocated and recovered from proponents in accordance with the Transmission System Code. If triggered, Hydro One will rely on studies completed as part of the EA you are current undertaking.

Consulting with Hydro One on such matters during your project's EA process is critical to avoiding conflicts where possible or, where not possible, to streamlining processes (e.g., ensuring study coverage of expansion/relocation areas within the current EA). Once in receipt of more specific project information regarding the potential for conflicts (e.g., siting, routing), Hydro One will be in a better position to communicate objections or not objections to alternatives proposed.

If possible at this stage, please formally confirm that Hydro One infrastructure and associated rights-of-way will be completely avoided, or if not possible, allocate appropriate lead-time in your project schedule to collaboratively work through potential conflicts with Hydro One, which ultimately could result in timelines identified above.

In planning, note that developments should not reduce line clearances or limit access to our infrastructure at any time. Any construction activities must maintain the electrical clearance from the transmission line conductors as specified in the Ontario Health and Safety Act for the respective line voltage.

Be advised that any changes to lot grading or drainage within, or in proximity to Hydro One transmission corridor lands must be controlled and directed away from the transmission corridor.

Please note that the proponent will be held responsible for all costs associated with modifications or relocations of Hydro One infrastructure that result from your project, as well as any added costs that may be incurred due to increased efforts to maintain said infrastructure.

We reiterate that this message does not constitute any form of approval for your project. Hydro One must be consulted during all stages of your project. Please ensure that all future communications about this and future project(s) are sent to us electronically to secondarylanduse@hydroone.com

Sent on behalf of,

Secondary Land Use
Asset Optimization
Strategy & Integrated Planning
Hydro One Networks Inc.

Landscape PDF





From: Sarah Kingdon-Benson
To: Alexandre.Gitkow@ontario.ca

Cc: BobcaygeonEA

Subject: FW: MTO comments on Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study

Commencement and Virtual Open House Thursday, October 14, 2021 12:47:56 PM

Attachments: Bobcaygeon Community Expansion Project, Notice of Study Letter Sept 23, 2021.doc

let 160951282 Bobcaygeon NoCVOH 20210901 fin Tolles.pdf

Good Morning Alexandre,

Date:

Thank-you for sending comments regarding the proposed Bobcaygeon Community Expansion Project.

We have noted your comments and will reach out during the permitting stage of the Project.

Also, Enbridge has the following responses to your questions:

Q: Will the proposed Supply Lateral be A vital or non-vital line?

A: The supply lateral is considered non-vital.

Q: Enbridge to confirm the workaround requirements for the future MTO work. Is this a 1 metre or 3 metre workaround?

A: According to Enbridge's most recent "Third-Party Requirements in the Vicinity of Natural Gas Facilities Standard", since the line is considered non-vital, mechanical excavation is not permitted within 1m of the locate marks until visual verification has occurred.

Let me know if you have any other questions.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Hartwig, Emily <Emily.Hartwig@stantec.com>

Sent: Thursday, September 23, 2021 12:36 PM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>; Ashley Crites <Ashley.Crites@enbridge.com>

Cc: Georgopoulos, Rooly <rooly.georgopoulos@stantec.com>

Subject: [External] FW: MTO comments on Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Sarah,

We received a response from MTO – see below and attached.

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Gitkow, Alexandre (MTO) < <u>Alexandre.Gitkow@ontario.ca</u>>

Sent: Thursday, September 23, 2021 11:09 AM

To: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Cc: Kapusta, Stephen (MTO) < <u>Stephen.Kapusta@ontario.ca</u>>; Waters, Darren (MTO)

<<u>Darren.Waters@ontario.ca</u>>; Fraser, Peter (MTO) <<u>Peter.Fraser@ontario.ca</u>>; Witjes, Ron (MTO)

<<u>Ron.Witjes@ontario.ca</u>>; Pedlar, Mark (MTO) <<u>Mark.Pedlar@ontario.ca</u>>; Etchells, Jazmine (MTO)

<Jazmine.Etchells@ontario.ca>

Subject: MTO comments on Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

Good Morning Emily Hartwig,

Please see attached the Ministry of Transportation comments on the proposed Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House.

Please do not hesitate to contact me should you require more information.

Sincerely Yours,

Alexandre Gitkow
Corridor Management Officer (Utility)
Corridor Management Section | East Operations
Ministry of Transportation (MTO)
1355 John Counter Boulevard,

Kingston, ON K7L 5A3

Cell: 613-323-1253 | Email: <u>Alexandre.Gitkow@Ontario.ca</u>

Ministry of Transportation

Corridor Management Section 1355 John Counter Boulevard Postal Bag 4000 Kingston, Ontario K7L 5A3 Tel.: 613 323-1253

Fax: 613-540-5106 Alexandre.gitkow@ontario.ca Ministère des Transports

Section de gestion des couloirs routiers 1355, boulevard John Counter CP/Service de sacs 4000 Kingston (Ontario) K7L 5A3 Tél.: 613 323-1253

Tél.: 613 323-1253 Téléc. 613 540-5106



Emily Hartwig
Environmental Consultant
Stantec Consulting Ltd.
100-300 Hagey Blvd,
Waterloo, ON
N2L 0A4

Via email: BobcaygeonEA@stantec.com

Dear Emily Hartwig:

Re: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

Thank you for circulating the notice of commencement for the Enbridge proposed Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House to the Ministry of Transportation (MTO) for review and comments. As you are aware, under the Public Transportation and Highway Improvement Act (PTHIA), the ministry, through the issuance of permits, has a control area that includes the Highway right of way corridor, and an area of 395 metres radius around each interchange/intersection and 45 m from the highway property limit. MTO review, approval and permits are required prior to the issuance of any other permits. This also includes any pre-engineering work that you may require.

An Encroachment Permit or other Permit or approval required by the Ministry must be obtained prior to any construction occurring on site. The construction or operation of works within the limits of the right-of-way of a highway by other than the Ministry or its agent shall be considered an encroachment, and any application will also be required to be submitted with a full Traffic Management Plan in accordance with Book 7 requirements, including any restrictions required by MTO such as hours of work, etc.

The MTO have reviewed the Bobcaygeon Community Expansion Project and we have the following preliminary comments:

• The proposed Supply Lateral will be cross highway 7 east of Omemee, ON (corner of CR10 and Hwy7), this crossing will need to be no less than 3 meters below the traveled portion of the highway the entire right of way and/or 1.5 meter below the bottom of the ditch whichever is greater. All buried plant should be as level as possible across the entire length of the right-of-way and should be straight (perpendicular) to the traveled portion when crossing the highway.



- The Ministry will also be resurfacing Hwy 7 from Omemee to Co Rd 36 in 2023. MTO work take precedent on any other work, so you may have to adjust your schedule accordingly.
- Will the proposed Supply Lateral be a vital or none-vital line?
- For the proposed Reinforcement on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road, the MTO wants Enbridge to use the alternative. The MTO is planning to widen Hwy 35 to 4 lane in this area in the future, which include new intersection, realigned road, overpass and underpass, so we do not want Enbridge to reinforce this section of the highway as relocation may be needed and we strongly encourage Enbridge to build the reinforcement on the alternative route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road and planning for the future where the line on Highway 35 may need to be moved or removed completely.
- Enbridge to confirm the workaround requirements for the future MTO work. Is this a 1 metre or 3 metre workaround?
- If you are decommissioning an existing pipe, the MTO will require that the abandoned pipe be removed completely from the ROW.

MTO is supportive of the routing as proposed for the proposed Supply Lateral but has concerns about the proposed Reinforcement on Highway 35, as noted above. MTO is requesting a response to our questions/issues and you can send your response directly to me at Alexandre.Gitkow@ontario.ca. We may have addition comments after review of the response. Our goal is to work together at these initial stages to ensure we have a routing and solution that will satisfy all parties and we hope that Enbridge does not repeat the same mistake as for the St. Laurent Ottawa North Pipeline Replacement Project and listen to our concern and address them before going to the OEB. We are all invested in obtaining the best solution possible.

If you have any questions, please do not hesitate to contact me.

Sincerely Yours,

Alexandre Gitkow Corridor Management Officer

cc. Stephen Kapusta, Ministry of Transportation, (A) Corridor Management Head Darren Walter, Ministry of Transportation, Area Manager Highway Engineering Ron Witjes, Ministry of Transportation, Senior Project Manager Peter Fraser, Ministry of Transportation, Senior Project Engineer Mark Pedlar, Ministry of Transportation, Corridor (A) Senior Project Manager Jazmine Etchells, Ministry of Transportation, Corridor Management Officer

From: Hartwig, Emily

"Yakelashek, Jason (MECP)" To:

Cc: Couling, Kendra (MECP); Nicholson, Andrew (MECP); Hoare, Jennifer (MECP); Walsh, Greg (MECP);

Subject: RE: Bobcaygeon Community Expansion Project - Notice of Commencement and Virtual Open House

Date: Friday, November 5, 2021 11:10:00 AM

Attachments: image001.png

image002.png

Good morning Jason,

Thank-you for providing your response below regarding the Bobcaygeon Community Expansion Project.

We will note your comments in the Environmental Report.

Should you have any other questions or concerns, please let me know.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Yakelashek, Jason (MECP) < Jason. Yakelashek@ontario.ca>

Sent: Tuesday, September 28, 2021 10:45 AM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: Yakelashek, Jason (MECP) < Jason. Yakelashek@ontario.ca>; Couling, Kendra (MECP)

<Kendra.Couling@ontario.ca>; Nicholson, Andrew (MECP) <Andrew.Nicholson2@ontario.ca>;

Hoare, Jennifer (MECP) < Jennifer. Hoare@ontario.ca>; Walsh, Greg (MECP) < greg.walsh@ontario.ca>

Subject: RE: Bobcaygeon Community Expansion Project - Notice of Commencement and Virtual

Open House

Dear Stantec:

Thanks for Rooley for returning my call last week and clarifying some of the details on the proposed project, (which appears it may commence in the near future - 2023/24, if approved) expanding natural gas distribution to Bobcaygeon with a proposed route adjacent to Emily Provincial Park. Clarifications provided included:

- Enbridge project construction would include Spider Plow equipment that anticipates minimal traffic disruption and lane closures, and would not impede on provincial park property.
- There is already pipe infrastructure through the Pigeon River/Cowan's Bay bridge so this expansion project would tie into it, and any water crossing install is not necessary.

To summarize our position, (and comments left on the virtual open house website) Ontario Parks is interested in the progress of this project if the route is approved on Emily Park Road and Peace Road. Although the construction would be on the roadway right-of-way, any project adjacent to protected areas is of interest to us to ensure environmental impacts are minimum, including impacts to watershed and drainage channels.

Also, Emily Provincial Park operates from the second Friday in May, to the day after Thanksgiving each season for camping and public visitation. Weekends are quite busy during this time, and everyday is busy in July and August. So as you can appreciate any traffic disruptions during this time would be of concern to Ontario Parks and park visitors.

Please feel free to continue to send any future correspondence when required. Thanks for your time.

Best regards,

Jason

Jason Yakelashek (He/Him) | Park Superintendent – Emily – Ontario Parks 797 Emily Park Road, Omemee, Ontario, KOL 2WO
P: 705-799-5170 ext 222 C: 705-875-3116 W: OntarioParks.com



Ministry of the Environment, Conservation and Parks

Please note: As part of providing <u>accessible customer service</u>, please let me know if you have any accommodation needs or require communication supports or alternate formats.

From: Hartwig, Emily

To: Gonsalves, Meaghan (IO)

Cc: BobcaygeonEA

Subject: RE: Bobcaygeon Community Expansion Project - EA Notice Response

Date: Thursday, October 21, 2021 3:59:00 PM

Attachments: <u>image001.png</u>

Good afternoon Meaghan,

Thank-you for providing the information in the email below. We will continue to consult with Infrastructure Ontario as a stakeholder and will review the PINs provided as part of the planning and permitting process, and will reach out if government property is required as part of the Project.

At this time project work is anticipated to be completed within the municipal right of way.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4





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From: Gonsalves, Meaghan (IO) < Meaghan.Gonsalves@infrastructureontario.ca>

Sent: Wednesday, September 29, 2021 5:15 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>; Hartwig, Emily <Emily.Hartwig@stantec.com>

Subject: Bobcaygeon Community Expansion Project - EA Notice Response

Good afternoon,

Thank you for sending us the Notice of Commencement for the Bobcaygeon Community Expansion Project, in in the City of Kawartha Lakes and Township of Cavan-Monaghan.

Our initial scan indicates that property owned by the Minister of Government and Consumer Services is within and adjacent to your project's study area. This property is identified by the following Pins:

- 631220202
- 631340161
- 631300269
- 631360102

While this was identified in our scan, it is ultimately the proponent's responsibility to verify if provincial government property is within the study area. Title documents may identify owners of provincial government property as any of the following:

His Majesty the King

- Her Majesty the Queen
- Hydro One
- Hydro One Networks Inc.
- Management Board Secretariat (MBS)
- Minister of Economic Development, Employment and Infrastructure (MEDEI)
- Minister of Energy and Infrastructure (MEI)
- Minister of Government and Consumer Services (MGCS)
- Minister of Infrastructure (MOI)
- Minister of Natural Resources and Forestry (MNRF)
- Minister of Public Infrastructure Renewal (PIR)
- Minister of Public Works
- Minister of Transportation (MTO)
- Ontario Lands Corporation (OLC)
- Ontario Realty Corporation (ORC)

If provincial government property in the study area is not required for the project, please continue to consult us as a directly affected stakeholder. However, if government property is required for the project, the proponent should contact us so that we can advise about requirements for obtaining government property.

Additionally, please remember to send notices to our dedicated notice email address: noticereview@infrastructureontario.ca

Kind regards,



Meaghan Gonsalves (she, her)
Infrastructure Ontario
Co-op, Environmental Management
meaghan.gonsalves@infrastructureontario.ca

Phone: +1 647-361-5030 www.infrastructureontario.ca

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From: Kourosh Manouchehri

To: Sarah Kingdon-Benson; Hartwig, Emily
Cc: Sonia Fazari; BobcaygeonEA; Ashley Crites

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Monday, October 4, 2021 10:07:19 AM

Attachments: <u>image006.png</u>

image007.png image008.png image009.png image011.png

Hi Sarah,

That is correct. TSSA review usually starts when the application for LTC is submitted to OEB for approval. Also TSSA review is mainly focused on the technical aspects and compliance to the adopted standard of the project, rather than environmental aspects. Some environmental features that are mentioned on the adopted standard will be part of the TSSA review.

TSSA does not have any initial comment on the EA process.

I hope the above note helps. If you have any further question, please contact me.

Regards,



Kourosh Manouchehri, P.Eng., PMP | Engineer, Fuels

Engineering 345 Carlingview Drive Toronto, Ontario M9W 6N9

Tel: +1 416-734-3539 | Fax: +1 416-231-7525 | E-Mail: kmanouchehri@tssa.org

www.tssa.org







From: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Sent: October 4, 2021 7:42 AM

To: Kourosh Manouchehri <KManouchehri@tssa.org>; Hartwig, Emily <emily.hartwig@stantec.com> **Cc:** Sonia Fazari <Sonia.Fazari@enbridge.com>; BobcaygeonEA <BobcaygeonEA@stantec.com>; Ashley Crites <Ashley.Crites@enbridge.com>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

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Thank-you Kourosh for your email.

I just wanted to clarify that the application you refer to below is for the review during the OPCC circulation, correct? It is not to capture any initial comments on the Project through the public consultation period as part of the Environmental Assessment process, correct?

If that is the case, does the TSSA have any initial comments they'd like to submit through the EA process?

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Kourosh Manouchehri < KManouchehri@tssa.org>

Sent: Thursday, September 30, 2021 3:07 PM **To:** Hartwig, Emily <<u>emily.hartwig@stantec.com</u>>

Cc: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>; Sonia Fazari <<u>Sonia.Fazari@enbridge.com</u>>; BobcaygeonEA <<u>BobcaygeonEA@stantec.com</u>>

Subject: [External] RE: Bobcaygeon Community Expansion Project – Notice of Commencement and

Virtual Open House

EXTERNAL: PLEASE PROCEED WITH CAUTION.

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Hi Emily,

Thank you for the provided information about this project. An application needs to be filled and submitted for the review of this project by TSSA as part of Ontario Pipeline Coordinating Committee. Please fill <u>Application for Review of Pipeline Project</u> and send it to the email address provided on the form.

If you have any question, please contact me.

Regards,



Toronto, Ontario M9W 6N9

Tel: +1 416-734-3539 | | Fax: +1 416-231-7525 | E-Mail: <u>kmanouchehri@tssa.org</u> <u>http://secure-</u>

web.cisco.com/1YeRCjudkWMz7CUBapfE3w31tVPPpKlbzPed1omi4aadlObrBYWDPhRriPRIRxD-raL1eGa5Gr-mCPj0QgvxeFaxUCZ9Lf3D1wd_pP5PnFBfSMx4k6_N0PtFkXJB9JEHmf9wyYrZ-GXC3RyqFsiUT91vBKo0TxJuSLI71ZJUh0l9Ym6N-nffVZLuwyAuVSzWaLaZlgQEnmsIftzcGec_jQ-B5TbPNXltnMbeHFqZNX5eGdcq3uHYzTGqvb6-v6MaLgnGL0dkA-

O3zx7DHWXIxbMaQ0ztuEJu35bkeviWywKtcfEl2GJiNZaHYVTEg8Kpe/http%3A%2F%2Fwww.tssa.org





From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:58 AM

To: Kourosh Manouchehri@tssa.org>

 $\textbf{Cc:} \ Sarah \ Kingdon-Benson < \underline{sarah.kingdon-benson@enbridge.com} >; \ \underline{Sonia.Fazari@enbridge.com};$

BobcaygeonEA < BobcaygeonEA@stantec.com >

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open

House

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Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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 From:
 Rodek, Amanda (MTO)

 To:
 BobcaygeonEA

 Cc:
 Hartwig, Emily

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Tuesday, October 12, 2021 10:44:21 AM

Attachments: Bobcaygeon Community Expansion Project, Notice of Study Letter Sept 23, 2021.doc

Hi.

Stantec's, September 1, 2021 email to Tony Di Fabio regarding the Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House, has been forwarded to my attention for review and response.

Please find the following comments from the Ministry of Transportation for your consideration regarding the proposed pipeline:

 The Ministry of Transportation - East Region sent comments previously (see attached), we have no further comments to add

Have a great day!

Thanks.

Amanda Rodek
Program Analyst
Ministry of Transportation
Corridor Management Office
301 St. Paul Street
St. Catharines, ON L2R 7R4
Tel. (905) 704-2916

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September-01-21 11:57 AM

To: Di Fabio, Tony (MTO) < <u>Tony.DiFabio@ontario.ca</u>>

Cc: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>; BobcaygeonEA <<u>BobcaygeonEA@stantec.com</u>>

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

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Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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From: <u>Hartwig, Emily</u>
To: <u>Mallon, Jack (MHSTCI)</u>

 Cc:
 Barboza, Karla (MHSTCI); Sarah Kingdon-Benson; Sonia. Fazari@enbridge.com; zora.crnojacki@oeb.ca

 Subject:
 RE: File 0014830: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open

House

Date: Thursday, October 21, 2021 3:36:00 PM

Good afternoon Jack,

Thank-you for your letter and comments regarding the Bobcaygeon Community Expansion Project. Enbridge has noted their commitment to continuous consultation and receiving all applicable permits and approvals prior to construction.

As part of the Environmental Report a Stage 1 Archaeological Assessment will be completed outlining area of potential for further study and will be appended to the Report. A Cultural Heritage Checklist will also be completed with the finding summarized in the Environmental Report. A Cultural Heritage Evaluation Report will be completed prior to construction. All reports and findings will be submitted to MHSTCI for review. As part of the Ontario Pipeline Coordinating Committee, the Environmental Report will be circulated to the MHSTCI for review 42 days prior to applying to the OEB for Leave to Construct.

If you have any further comments please don't hesitate to reach out.

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Mallon, Jack (MHSTCI) < Jack. Mallon@ontario.ca>

Sent: Thursday, October 14, 2021 10:53 AM

To: Hartwig, Emily < Emily. Hartwig@stantec.com>

Cc: Barboza, Karla (MHSTCI) < Karla.Barboza@ontario.ca>; Sarah Kingdon-Benson < sarah.kingdon-benson@enbridge.com>; Sonia.Fazari@enbridge.com; zora.crnojacki@oeb.ca

Subject: Re: File 0014830: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Good morning Emily,

Please find attached MHSTCI's letter for the Bobcaygeon Community Expansion Project - Notice of Commencement.

If you have any question, please do not hesitate to contact me.

All the best,

Jack Mallon

Heritage Planner

Heritage Planning Unit | Programs and Services Branch

Heritage, Tourism and Culture Division

Ministry of Heritage, Sport, Tourism and Culture Industries

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September-01-21 11:56 AM

To: Barboza, Karla (MHSTCI) < Karla.Barboza@ontario.ca>

Cc: Sarah Kingdon-Benson < <u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>;

BobcaygeonEA < BobcaygeonEA@stantec.com >

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open

House

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Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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Ministry of Heritage, Sport, Tourism and Culture Industries

Programs and Services Branch 400 University Ave, 5th Flr Toronto, ON M7A 2R9 Tel: 416-660-1027

Ministère des Industries du Patrimoine, du Sport, du Tourisme et de la Culture

Direction des programmes et des services 400, av. University, 5e étage Toronto, ON M7A 2R9 Tél: 416-660-1027



October 14, 2021

EMAIL ONLY

Emily Hartwig Stantec Consulting Ltd. 519 780 8186 Emily.Hartwig@stantec.com

MHSTCI File: 0014830

Proponent: Stantec Consulting Ltd.

Subject: Notice of Study Commencement

Project : Bobcaygeon Community Expansion Project

Location: City of Kawartha Lakes and Township of Cavan-Monaghan

Dear Emily Hartwig:

Thank you for contacting the Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI) about the above-referenced project, which requires Ontario Energy Board (OEB)'s leave to construction under the Ontario Energy Board Act.

Please note that the OEB issued the <u>Environmental Guidelines for the Location, Construction,</u> and <u>Operation of Hydrocarbon Pipelines and Facilities in Ontario, 7th Edition</u> to assist applicants how to identify, manage and document environmental impacts. The Guidelines encourage applicants to consult with the Ontario Pipeline Coordinating Committee (which MHSTCI is a member) and other agencies. MHSTCI's interest in this process relates to its mandate of conserving Ontario's cultural heritage, which includes:

- Archaeological resources, including land and marine;
- Built heritage resources, including bridges and monuments; and,
- Cultural heritage landscapes.

Among the planning activities outlined in Chapter 2 of the Guidelines, an applicant is advised to:

- describe the rationale for study area delineation (including construction staging, land requirements);
- identify existing baseline environmental conditions;
- identify potential environmental impacts expected to occur during construction and operation of the project, including cumulative impacts;
- describe proposed measures to mitigate potential negative impacts.

This letter provides advice on how to incorporate consideration of cultural heritage in the above mentioned planning activities, and also expands on sections 4.3 and 5.3 of the Guidelines by outlining the technical cultural heritage studies and level of detail required to address cultural heritage in pipeline and facilities projects. The outcomes and recommendations of the studies will be reported in the Environmental Report and form the basis for any future commitments.

File # and Project Name

MHSTCI Letter/Comments

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Project Summary

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road.

Identifying Cultural Heritage Resources

While some cultural heritage resources may have already been formally identified, others may be identified through assessment.

Archaeological Resources (Land and Marine, if applicable)

MHSTCI recommends that, as a best practice, a combined Stage 1-2 archaeological assessment (AA) be completed for the entire study area during the planning phase.

At a minimum, a Stage 1 AA will be undertaken for the entire study area during the planning phase. The results of the Stage 1 AA will inform the OEB and will be summarized in the Environmental Report. If the Stage 1 AA recommends further AA(s), then MHSTCI recommends that further stages of AA be completed as early as possible during the design phase of the project, and prior to the completion of detailed design.

Archaeological assessments are required to be undertaken by an archaeologist licenced under the *Ontario Heritage Act*, who is responsible for submitting the report directly to MHSTCI for review.

The Environmental Report must include specific information from the AA report(s). The Executive Summary of each AA report provides a brief summary of the work completed and the recommendations for next steps, whether for further archaeological assessment, in which case the report will include a map that identifies those areas, or for no further assessment. The Environmental Report must also include clear commitments to undertake any further AA stages recommended, and a timeline for their completion.

Built Heritage Resources and Cultural Heritage Landscapes

A Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment will be undertaken for the entire study area during the planning phase to inform the OEB and will be summarized in the Environmental Report. This study will:

- 1. Identify existing baseline cultural heritage conditions within the study area.
 - Study Area: The consultants preparing the Cultural Heritage Report will need to
 define a study area and explain their rationale. The common practice has been to
 define a study area as including the right-of-way (ROW) and a 50-metre buffer
 (construction zone) on either side of the ROW.
 - The report will include a historical summary of the study area and will identify all
 known or potential built heritage resources and cultural heritage landscapes in the
 study area. MHSTCI has developed screening criteria that may assist with this

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exercise: <u>Criteria for Evaluating for Potential Built Heritage Resources and Cultural</u> <u>Heritage Landscapes</u>.

- Identify preliminary potential project-specific impacts on the known and potential built heritage resources and cultural heritage landscapes that have been identified. The report should include a description of the anticipated impact to each known or potential built heritage resource or cultural heritage landscape that has been identified.
- 3. Recommend measures to avoid or mitigate potential negative impacts to known or potential built heritage resources and cultural heritage landscapes. The proposed mitigation measures are to inform the next steps of project planning and design.

Where a known or potential built heritage resource or cultural heritage landscape may be directly and adversely impacted¹, and where it has not yet been evaluated for Cultural Heritage Value or Interest (CHVI), completion of a Cultural Heritage Evaluation Report (CHER) is required to fully understand its CHVI and level of significance. The CHER must be completed as part of the Environmental Report . If a potential resource is found to be of CHVI, then a Heritage Impact Assessment (HIA) will be undertaken by a qualified person. The HIA will be completed in consultation with MHSTCI and the proponent as early as possible during detail design, following the OEB's Leave to Construct.

While some cultural heritage landscapes are contained within individual property boundaries, others span across multiple properties. For certain cultural heritage landscapes, it will be more appropriate for the CHER and HIA to include multiple properties, to reflect the extent of that cultural heritage landscape in its entirety.

Cultural Heritage Reports will be undertaken by a qualified person who has expertise, recent experience, and knowledge relevant to the type of cultural heritage resources being considered and the nature of the activity being proposed.

Community input should be sought to identify locally recognized and potential cultural heritage resources. Sources include, but are not limited to, municipal heritage committees, historical societies and other local heritage organizations.

Cultural heritage resources are often of critical importance to Indigenous communities. Indigenous communities may have knowledge that can contribute to the identification of cultural heritage resources, and we suggest that any engagement with Indigenous communities includes a discussion about known or potential cultural heritage resources that are of value to them.

Environmental Reporting

The findings of the above-mentioned studies should be summarized as part of the Environmental Report discussion of existing conditions, impact assessment, mitigation, and future commitments. Commitments for further studies should clearly state what is to be done, who is responsible for implementation, and when. Recommendations from the technical cultural heritage studies described above should be reflected as commitments in the Environmental Report.

-

¹ A direct adverse impact would have a permanent and irreversible negative effect on the cultural heritage value or interest of a property or result in the loss of a heritage attribute on all or part of the property. Examples include, but are not limited to: removal or demolition of a heritage attribute, land disturbance, alterations that are not sympathetic to the CHVI of the property, introduction of new elements that diminish the integrity of the property, changing the character of the property, intensification of the property without conservation of heritage attributes.

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MHSTCI welcomes the opportunity to review and comment upon relevant sections of the draft Environmental Report, before the final draft Environmental Report is submitted to the OPCC for review.

Thank you for consulting MHSTCI on this project and please continue to do so throughout the OEB process. If you have any questions, require clarification, or would like additional examples to assist with project reporting, do not hesitate to contact me.

Sincerely,

Jack Mallon
Heritage Planner
Jack.Mallon@Ontario.ca
Heritage Planning Unit

Copied to: Sarah Kingdon-Benson, Advisor, Environment, Enbridge Gas Inc.

Sonia Fazari, Sr. Advisor Municipal and Stakeholder Engagement, Enbridge Gas Inc.

Zora Crnojacki, Project Advisor, OEB

Karla Barboza, Team Lead, Heritage Planning, MHSTCI

It is the sole responsibility of proponents to ensure that any information and documentation submitted as part of their EA report or file is accurate. MHSTCI makes no representation or warranty as to the completeness, accuracy or quality of the any checklists, reports or supporting documentation submitted as part of the EA process, and in no way shall MHSTCI be liable for any harm, damages, costs, expenses, losses, claims or actions that may result if any checklists, reports or supporting documents are discovered to be inaccurate, incomplete, misleading or fraudulent.

Please notify MHSTCI if archaeological resources are impacted by EA project work. All activities impacting archaeological resources must cease immediately, and a licensed archaeologist is required to carry out an archaeological assessment in accordance with the *Ontario Heritage Act* and the *Standards and Guidelines for Consultant Archaeologists*.

If human remains are encountered, all activities must cease immediately and the local police as well as the Registrar, Burials of the Ministry of Government and Consumer Services must be contacted. In situations where human remains are associated with archaeological resources, MHSTCI should also be notified to ensure that the site is not subject to unlicensed alterations which would be a contravention of the Ontario Heritage Act.

From: Sarah Kingdon-Benson
To: Gitkow, Alexandre (MTO)

Cc: BobcaygeonEA; Waters, Darren (MTO); Kapusta, Stephen (MTO); Fraser, Peter (MTO); Witjes, Ron (MTO);

Pedlar, Mark (MTO); Tolles, Cheryl (MTO)

Subject: RE: MTO comments on Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study

Commencement and Virtual Open House

Date: Friday, October 15, 2021 8:01:31 AM

Good Morning Alexandre,

Thank-you for your comments below.

Enbridge will be reaching out to MTO prior to the permitting as well to discuss the comments/concerns you've mentioned below. I apologize for any confusion.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Gitkow, Alexandre (MTO) <Alexandre.Gitkow@ontario.ca>

Sent: Friday, October 15, 2021 7:51 AM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Cc: BobcaygeonEA <BobcaygeonEA@stantec.com>; Waters, Darren (MTO)

<Darren.Waters@ontario.ca>; Kapusta, Stephen (MTO) <Stephen.Kapusta@ontario.ca>; Fraser,
Peter (MTO) <Peter.Fraser@ontario.ca>; Witjes, Ron (MTO) <Ron.Witjes@ontario.ca>; Pedlar, Mark
(MTO) <Mark.Pedlar@ontario.ca>; Tolles, Cheryl (MTO) <Cheryl.Tolles@ontario.ca>

Subject: [External] RE: MTO comments on Enbridge Gas Inc. – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Good Morning Sarah,

I highly recommend that Enbridge work with the MTO before you get to the permitting stage, as we have real concern about your timing on Highway 7 and the routing of the reinforcement on Hwy 35. The MTO as had a bad experience with Enbridge in Ottawa, were are comments were ignore throughout the EA process and we had to raise our concern to the Ontario Energy Board, which cause delays to the Enbridge project and the result ended up not to the satisfaction of Enbridge or the MTO. As mentioned in our letter, our goal is to work together at these initial stages to ensure we have a routing and solution that will satisfy all parties. The MTO is willing to meet with Enbridge to discuss further.

Please do not hesitate to contact me should you require more information.

Sincerely Yours,

Alexandre Gitkow
Corridor Management Officer (Utility)
Corridor Management Section | East Operations
Ministry of Transportation (MTO)
1355 John Counter Boulevard,
Kingston, ON K7L 5A3

Cell: 613-323-1253 | Email: <u>Alexandre.Gitkow@Ontario.ca</u>

From: Alicja Pagaduan <Alicja.Pagaduan@enbridge.com>

Sent: Monday, November 15, 2021 9:32 AM

To: Gitkow, Alexandre (MTO) <Alexandre.Gitkow@ontario.ca>

Cc: Ashley Crites , Byron Madrid , Jeff Mantej <a href="mailto:Amry.Al-Amry.a

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

Good Morning Alex,

Thank you for your response in regards to our Bobcaygeon Community Expansion project. We are looking forward to working with MTO and have addressed your questions in the attached letter.

We would like to continue to work together and set up a meeting in early December to further discuss this project, including scheduling of any MTO work on highway 35. We plan on including our manager and supervisor for Community expansion in this meeting and hope we can have the same from MTO. Can you please send me MTO's availability for the first week of December along with a list of names from MTO to attend and I will set something up in our calendars.

Looking forward to the discussion. Should you have any questions please feel free to reach out to me.

Thank you,

Alicja Pagaduan, CPA, CMA, MBA

Advisor Permitting

ENBRIDGE GAS INC.

CELL: 519-350-1838 | Alicja.Pagaduan@enbridge.com 3840 Rhodes Drive, Windsor, ON N9A 6N7

Integrity. Safety. Respect.



November 15, 2021

Alexandre Gitkow Corridor Management Officer 1355 John Counter Boulevard Postal Bag 4000 Kingston, Ontario K7L 5A3

Dear Alexandre Gitkow,

Re: Enbridge Gas Inc – Bobcaygeon Community Expansion Project, Notice of Study Commencement and Virtual Open House

The Bobcaygeon project was selected by the Ontario Government through Phase Two of its Natural Gas Expansion Program to provide access to reliable and affordable natural gas, to lower energy costs for families, to create new opportunities for municipalities, and to help Ontario businesses become more competitive. The project enables Enbridge Gas to provided natural gas to approximately 4,000 residential and commercial businesses. The project is contingent on Natural Gas Expansion Program funding from the Ontario Government, in addition to regulatory approvals and permits.

Enbridge Gas is committed to engaging with the MTO in the early stages of the project, including project initiation and planning. In doing so, we hope to find the best solution for all parties, which minimizes impacts to external stakeholders, area residents, the environment, rate payers and taxpayers.

Enbridge Gas would like to work with the MTO to discuss the preliminary preferred routing of Reinforcement Part 2 along Highway 35 and address any concerns.

We understand from the letter provided on September 23, 2021 that there are plans to widen Highway 35 in addition to proposing additional changes and upgrades to this infrastructure. With this in mind, we have two preliminary questions:

- Can the MTO please provide timelines associated with this proposed work on Highway 35?
- Can the MTO provide any preliminary plans or designs to Enbridge to determine an acceptable
 offset to both parties within the corridor and to also identify any potential impacts to the
 existing Enbridge infrastructure?

We would like to meet with the MTO to discuss the Reinforcement Part 2 in greater detail; could you please provide us upcoming dates and times that would work for your team?

Please find below, Enbridge's answers and comments in response to the MTO concerns listed in the letter dated September 23, 2021 and the email response provided October 15, 2021.

Reinforcement Part 1

Proposed route is 13 km of 6" extra high-pressure steel (east of Omemee) along County Road 10, which crosses the MTO Highway 7

Construction Start Date (tentative) 2026

 Enbridge does not anticipate any conflict concerning timing of construction with the MTO's plans to resurface Hwy 7 from Omemee to CR36 in 2023.

Classified as Non-vital Main

- No pipes are currently identified to be abandoned or decommissioned as part of the Bobcaygeon project scope
- Enbridge requires an MTO encroachment permit (including traffic management plan) to cross Hwy 7 at CR10
 Noted Requirements
 - a) Crossing depth to be not less than 3 meters below the traveled portion of the highway the entire right of way and/or 1.5 meter below the bottom of the ditch whichever is greater.
 - b) All buried plant should cross highway as level as possible across the entire length of the right-of-way and should be straight (perpendicular) to the traveled portion

Reinforcement Part 2

The preliminary preferred route is 6 km of 8" extra high-pressure steel (south of Lindsay) along Highway 35 (within an MTO corridor), between Bethany Hills Road and Mount Horeb Road. Note that the proposed pipeline will be in parallel to existing facilities within the corridor.

- Construction Start Date (tentative) 2029.
- Classified as Non-vital Main
 - No pipes are currently identified to be decommissioned as part of the Bobcaygeon project scope
 - As part of the environmental study, an alternate route was being assessed for this portion of the project. From an environmental and socio-economic perspective, the Alternate route is not recommended. The alternate route is 3 km longer which provides more opportunity for disturbance, there are more domestic water wells, significantly more wetland to traverse (5 times that of the preferred route), significantly more woodlot, and more regulated areas. These factors increase the potential for encountering species at risk, habitats, and archaeological findings along the alternate route of the reinforcement. A portion of the alternate route is privately owned, and landowners have identified sensitivities along the route. With these factors considered, the recommendations of the environmental studies and consultations suggest the Preliminary Preferred Route (along Highway 35) is the recommended route.

For both Reinforcement 1 and 2 (non-vital mains) the following will apply:

"For all non-vital mains, as stated in Enbridge's Third Party Requirements manual (LINK), mechanical excavation is not permitted within 1 m of the locate marks of the pipeline, until the exact location of the pipeline has been visually verified. The excavator must expose the pipeline by hand digging or hydro excavation. Once the pipeline is exposed, mechanical excavation is then permitted up to 0.3 m (1 ft) from the pipeline. Within 0.3 m (1 ft) of any pipeline, only hand digging, or hydro-excavation is permitted."

We look forward to working with you.

If there are any questions, please do not hesitate to reach out.

Sincerely,

Alicja Pagaduan Permitting Advisor

ENBRIDGE GAS INC.

CELL: 519-350-1838 | Alicja.Pagaduan@enbridge.com

cc. Ashley Crites, Enbridge Gas Inc., Advisor Community Expansion
Byron Madrid, Enbridge Gas Inc., Manager Capital Development & Delivery
Chuck Reaney, Enbridge Gas Inc., Sr. Advisor Permitting
Jeff Mantej, Enbridge Gas Inc., Specialist Community Expansion
Amry Al-Amry, Enbridge Gas Inc., Supervisor Community Expansion

From: <u>Hartwig, Emily</u>
To: <u>Species at Risk (MECP)</u>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

Date: Wednesday, December 1, 2021 10:31:00 AM

Good morning,

My apologies for the delay in this response – we have received your comments as noted below. We will review and incorporate the comments into the Environmental Report and address as required, and applicable mitigation measures will be developed where there may be potential project impacts.

A copy of the draft Environmental Report will be forwarded to the MECP – Species at Risk branch for review during the Ontario Pipeline Coordinating Committee (OPCC) review process.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Species at Risk (MECP) <SAROntario@ontario.ca>

Sent: Monday, October 25, 2021 4:06 PM

To: Hartwig, Emily < Emily. Hartwig@stantec.com>

Subject: RE: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual

Open House

Good afternoon Ms. Hartwig,

Thank you for sharing the Notice of Commencement for the Bobcaygeon Community Expansion Project. I have the following preliminary Species At Risk (SAR) comments to provide.

A review of our best available information indicates that the following threatened and/or endangered SAR may be in the area where the project will take place:

- Barn Swallow
- Bank Swallow
- Bobolink

- Eastern Meadowlark
- Chimney Swift
- Least Bittern
- Eastern Whip-poor-will
- Butternut
- · Eastern Prairie Fringed Orchid
- Blanding's Turtle
- Mottled Duskywing

There are several Blanding's Turtle observations in the area ranging from 2009-2018, the closest observation being within 2km of the project footprint. The project footprint crosses wetlands and watercourses which may support Blanding's Turtle. I've attached the most recent guidance document that may help establishing the best mitigation measures for the project. In addition to the above species, SAR bats may also be found in the area if suitable day roosting and/or maternity roosting habitat is present in the project area. I've included SAR bat advice (see below) for your consideration. This list should not be considered complete. Site surveys may be required to confirm the presence of species at risk and/or their habitat and to help determine if there will be potential impacts associated with the project.

We recommend that MECP be contacted at <u>SAROntario@ontario.ca</u> once information on potential impacts to SAR and SAR habitat is known. We will then be able to provide advice on whether authorization is required under the Endangered Species Act.

The purpose of this note is to support compliance with Ontario's *Endangered Species Act*, 2007 (ESA) by providing consistent and practical survey guidance for species at risk bats.

Where a project or activity is planned in a manner that pro-actively avoids adverse effects to bats (does not contravene s. 9 or s. 10 of the ESA), there is no need to conduct species at risk bat surveys. For more information on the interpretation of ESA s. 9 and s. 10 prohibitions, see Policy Guidance on Harm and Harass under the Endangered Species Act Ontario.ca and Policy Guidance on Harm and Harass under the Endangered Species Act Ontario.ca, respectively. Ultimately, it is the proponent's responsibility to assess potential impacts of their planned activity on species at risk bats and take the appropriate steps to achieve compliance with the ESA.

Hibernacula

- Avoidance considerations: Tree clearing activities located more than 200 m from hibernacula entrances are considered unlikely to damage or destroy hibernacula. Activities producing loud noises and/or vibrations (e.g., blasting, drilling, movement of heavy equipment, etc.) that occur more than 500 m from a bat hibernaculum are unlikely to harm or harass hibernating bats.
- Protocol here (in Appendix A): https://www.ontario.ca/page/bats-and-bat-habitats-guidelines-wind-power-projects#section-4.

- Important additions and exceptions to the above protocol:
 - Bat surveys and analysis should be conducted by a person experienced with determining presence/absence of species at risk bats.
 - The statements "Visual and acoustic monitoring surveys only need to be conducted until evidence of bat presence is found. Should evidence be found on the initial surveys, then further monitoring is not required" require qualification: Identification of species at risk bats through acoustic monitoring will be necessary under a permitting scenario. The total number of passes/calls recorded for each at risk bat species over the 10 acoustic monitoring nights should be used by the proponent to assess the impact of any work or activity on the hibernacula.

Treed Habitats (Maternity and Day Roosts)

- Avoidance considerations: If a proposed activity will avoid impairing or
 eliminating the function of habitat for supporting bat life processes (e.g.
 remove, stub, etc. a small number of potential maternity or day roost trees in
 treed habitats) but the timing of tree removal will avoid the bat active season
 (April 1 September 30 in Southern Ontario / May 1 to August 31 in Northern
 Ontario), then there is no need to conduct species at risk bat surveys of treed
 habitats. The damage and destruction assessment may vary geographically
 as the availability of other nearby maternity and day roost trees differs across
 the province of Ontario. For further guidance please contact
 SAROntario@ontario.ca.
- Protocol attached: "Treed Habitats Maternity Roost Surveys"
- Important additions and exceptions to this protocol:
 - In Step 1, the Ecological Land Classification (ELC) codes listed are meant to provide guidance, however any area with suitable roost trees should be considered potential maternity or day roost habitat. In areas where ELC is unavailable, the project area will need to be mapped by a qualified professional experienced in ecosite classification.
 - There are numerous peer-reviewed publications demonstrating that trees measuring less than 25 cm DBH (diameter at breast height) support maternity and day roosts of little brown myotis, northern myotis and tricolored bat. Detailed descriptions of tree species, size and age composition and physical attributes are very helpful for evaluating the value of specific treed habitats to species at risk bats.
 - Step 2: Snag Density Calculations Field visits to determine the best locations for deploying Acoustic Monitoring Systems are encouraged. However, snag density may also be calculated by following methods in Step 5: Detailed Mapping of Snag/Cavity Trees and does not necessarily need to precede acoustic monitoring (Steps 3 and 4).
 - Note that Step 5: Detailed Mapping of Snag Cavity Trees is important to quantify the magnitude of impacts to bat species at risk under an ESA permitting scenario. This information may also be used to inform activity alternatives that reduce and/or completely avoid impacts to bat species at risk.
 - For large projects impacting greater than 10 ha of treed habitat, we recognize following this protocol is likely not feasible. In these situations,

we fully expect clients to apply some method of sampling/sub-sampling landscapes, where ELC plots, snag density calculations, and acoustic monitoring occur in randomly selected or representative locations. Information obtained from the sample may then be extrapolated to the entire project footprint to inform the evaluation of project alternatives and the final impact assessment. In cases where acoustic monitoring surveys are not performed, MECP will assume species at risk bat presence in all habitats containing potentially suitable roost trees.

Buildings and Other Anthropogenic Structures (Maternity and Day Roosts)

- If a proposed activity or project will remove or alter an anthropogenic structure
 in a way that would negatively affect use of the structure by species at risk bats
 then bat surveys are warranted. This applies whether the structure provides
 potential species at risk bat habitat, or was known to provide bat habitat
 historically. Apply professional experience to judge whether any anthropogenic
 structure has the potential to provide bat maternity or day roost habitat.
- Protocol attached: "SAR Bat Building Exit and Roost Survey Protocols"
 - This protocol provides minimum survey effort expectations. Surveyors may discover multiple pre- and post-volant surveys are necessary to collect accurate abundance estimates at exit points as the time when pups become volant, weather and other variables may be difficult to predict.
- * We encourage all proponents to submit any observations of species at risk bats to the Natural Heritage Information Centre: Report rare species (animals and plants) | Ontario.ca

Thanks

Monique Charette

Management Biologist
Ministry of the Environment, Conservation and Parks
Permissions and Compliance Section
Species At Risk Branch
(613) 583-3162
Monique.charette@ontario.ca

From: Hartwig, Emily < Emily.Hartwig@stantec.com>

Sent: September 1, 2021 11:59 AM

To: Species at Risk (MECP) < <u>SAROntario@ontario.ca</u>>

Cc: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>; <u>Sonia.Fazari@enbridge.com</u>; BobcaygeonEA <<u>BobcaygeonEA@stantec.com</u>>

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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Meeting Minutes

MEETING NAME/SUBJECT	Bobcaygeon Community Expansion Project
DATE	2021-12-01
LOCATION	Virtual through TEAMS
	Alicja Pagaduan, Advisor Permitting, Enbridge
	Ashley Crites, Advisor Community Expansion, Enbridge
	Byron Madrid, Manager Capital Development and Delivery, Enbridge
	Chuck Reaney, Sr. Advisor Permitting, Enbridge
	Amry Al-Amry, Supervisor Community Expansion, Enbridge
DARTICIDANTS	Jeff Mantej, Specialist Community Expansion, Enbridge
PARTICIPANTS	Alexandre Gitkow, Corridor Management Officer, MTO
	Peter Fraser, Senior Project Engineer, MTO
	Cheryl Tolles, Sr. Project Manager, MTO
	Darren Waters, Area Manager, MTO
	Kate Green, Head Corridor Section of Easter Region, MTO

Meeting Notes

SPEAKER	SUMMARY
Ashley Crites	Project Overview and Updates The project is comprised of two main components: 1) supply lateral portion (approx. 25km steel 6" diameter pipeline which ties into the existing gas system on Peace Road and supplies gas to the community of Bobcaygeon construction to start 2023 and is projected to be completed by 2026. The MTO has no concerns with this portion of the project. 2) The reinforcement component has two parts. Part 1 proposes to install 13 km of steel 6" diameter pipeline along County Road 10 from Peace Road south to Stewart Line. The pipeline will cross the MTO highway and therefore a permit will be required. This portion of
	the reinforcement is proposing to begin construction by spring 2026 and be completed by Dec 2026. Part 2 of the reinforcement is slated for 2029 and is an additional pipeline to further supply growth and development in Bobcaygeon. The scope of this component includes 6 km of 8" steel pipeline along the Hwy 35 corridor. An alternate route is being assessed to tie into Mt Horeb Rd and Hwy 35, run along Mount Horeb Road to St Mary's, south on St. Marys to Bethany Hills Rd. - The Bobcaygeon project has just concluded the Environmental Assessment. Through the environmental consultant and the studies completed a number of sensitivities were identified along the alternate route. As such the alternate route is not the preferred route.

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	The Environmental Assessment concluded the alternate route would traverse significantly more wetland areas, woodlots, regulated areas, and species at risk habitats. Additionally, a
	portion of the road is privately owned.
	- Farmers identified sensitivities along the alternate route and it is a more costly route which
	would impact the feasibility of the government funded project
	- Part of the project (the reinforcement piece is slated for 2029 and Enbridge is proposing to
	file for LTC of this Part 2 segment of the reinforcement separately in 2026/2027, closer to
	the date of construction to allow Enbridge and the MTO more time to prepare a design
	solution (while considering the existing infrastructure in the corridor) to avoid future rework and relocations.
	- This approach would allow us to proceed with the supply lateral and distribution portion of
	the project which is not impacted by the work proposed by the MTO, in order to supply gas
	to residents and business in the interim to ensure the provincially funded program meets its
	objectives.
	 The timing of the MTO work on Hwy 35 is not yet confirmed, it is dependent on funding and the government.
	the government.
Cheryl Tolles	- MTO has an approved EA for a 4 lane section of Hwy 35
	- The work in Hwy 35 will likely occur "shortly after 2029"
	- MTO will provide mapping of the extensive work MTO will be undertaking
	- There was a meeting a few years back with Enbridge Exec where this was reviewed
	- Part 2 of the reinforcement section (in the Hwy 35 corridor) will have to be relocated which
	will add significant costs as MTO will not share this cost
Ashley Crites	
	- Our intention is to delineate boundaries and share information and work together
	- Enbridge requires more information to review our options around MTO's plans
Byron Madrid	- We would like information and engagement at the project team level for consideration.
	- The reinforcement is required to support the capacity of Bobcaygeon beyond the year 2029.
	so we need a solution and we need to mutually exchange information.
	- The reinforcement piece is driven by the expected new development and to manage
	capacity in the area.
Cheryl Tolles	
	- MTO is concerned reinforcement along Hwy 35 may extend to other sections outside of
D M	what is proposed in the Bobcaygeon project.
Byron Madrid	- Enbridge confirms it's just a one step reinforcement with no future reinforcement plans
Chand Talla	- Also concerned that it's a vital main, even if not vital at this time it can be reclassified as
Cheryl Tolles	done in the past.
	- MTO prefers the alternate alignment. It may still impact the MTO as it may impact a service
	road.
	- MTO has suggested to investigate alternate alignments as well as their goal is to keep us
	out of their proposed expansion area.



Alexandre	
Gitkow	- Confirmed it's likely not in conflict with the proposed MTO service Road
GILKOW	- Committee it's likely not in commit with the proposed with Service Road
	- MTO's concerns stem from the added costs associated with working around / daylighting
Peter Fraser	the gas main in MTO project areas.
	- Both parties have opportunity for improvement in communication to try to reduce the impact
Byron Madrid	of the 3 rd party guidelines.
	of the 5 party guidelines.
0, 17,	
Cheryl Tolles	- MTO commented that the relocation associated with the MTO expansion and Bobcaygeon
	project will be completely at Enbridge cost when MTO requests the relocation (after 2029)
	- MTO suggested Enbridge takes the opportunity to review different alignments using
	municipal roads which would be in the best interest of everyone.
	- For the Hwy 7 crossing for reinforcement part 1, the MTO has no problems and Alex and
	Peter can work with Enbridge on this as it appears to be a simple crossing.
	- The Hwy 35 piece MTO will not agree to if it goes to OEB for approval as is.
	- If Enbridge removes part 2 of the reinforcement from the 2022 LTC application and files for
	a separate LTC at a later date to allow time for ongoing consultation and coordination of
	design and timelines, the MTO has no concerns with this.
Amni Al Amni	- Enbridge asks if the MTO have plans to relocate the existing pipelines within that corridor?
Amry Al-Amry	
Cheryl Tolles	- MTO responds: Yes,everything currently in the ground there will need to be relocated
,	(Enbridge's existing plant in highway 35 corridor)
	- Cheryl confirmed MTO will send Enbridge the preliminary design package
	- Cheryl wants to be clear that the current alignments of Part 2 reinforcement in the
	Bobcaygeon LTC would not be approved by the MTO in this LTC submission
	- Enbridge confirms that part 2 of the reinforcement will be submitted as a separate LTC
	application at a later date closer to the year of construction, and this LTC will only include
	the supply lateral and part 1 of the reinforcement that the MTO had no concerns with.
Chuck Reaney	- MTO will have opportunity to comment on Part 2 of the reinforcement when we apply in
	2026/2027.
	- We're looking for a win/win solution for both groups and to work together
	- Does MTO own property yet for the expansion work?
	- Alex will send mapping and the areas in green/grey show MTO owned and red is not MTO
Cheryl Tolles	- Alex will send mapping and the areas in green/grey show in to owned and red is not in to
,	- Timing is still up in the air for MTO and there are many factors that affect this project.
	- Thining is suit up in the all for ivit O and there are many factors that affect this project.
Alex Gitkow	- The plans are skewed to the east side where the Enbridge pipe is.
AIGA GILKOW	- There may be no room in MTO corridor for any gas pipe in the future
	, a
	1



Chuck Reaney	If MTO encounters 3 rd party guidelines issues, to reach out to Chuck or Alicja to help navigate through that
	NOTED: Cheryl compliments Enbridge on our great initiative for coming to MTO early for this discussion

Table B6.2: Summary of Project Correspondence – Indigenous Communities

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
NOTICE	OF COMMENCEMENT	AND VIRTU	AL OPEN HOUSE PU	BLISHED IN LOCAL NEWSPAPERS ON SEPTEMBER 2, 2021, AN	D SEPTEMBER 9, 2021	
1 – 8	All Indigenous communities noted on the delegated Duty to Consult (DTC) list	Email	August 31, 2021	Enbridge emailed a summary of the Project, the Notice of Commencement and Virtual Open House and a map of the study area to all communities included on the delegated DTC list. Enbridge opened a dialogue to seek preliminary feedback on the proposed project.	N/A	N/A
9	Lori-Jeanne Bolduc Huron Wendat Nation (HWN)	Email	September 15, 2021	HWN responded to the email from Enbridge sent on August 31, 2021 regarding the proposed Project. HWN inquired if there is a shapefile of the route and noted it would be beneficial if Enbridge could present the Project.	Enbridge / September 27, 2021	Enbridge provided a shapefile of the proposed Project to HWN.
10 – 16	All Indigenous communities noted on the delegated DTC list	Email	September 16, 2021	Enbridge emailed each Indigenous community on the delegated DTC list to notify the communities that the Virtual Open House was live and accessible.	N/A	N/A
17 – 23	All Indigenous communities noted on the delegated DTC list	Email	October 5, 2021	Enbridge emailed all contacts on the delegated DTC list to follow up on the project initiation email and to offer an in-person or virtual briefing on the project. In doing so, Enbridge invited each community to engage in a dialogue with Enbridge to understand the communities' potential interests and concerns.	N/A	N/A
24	Dave Simpson Consultation Coordinator Alderville First Nation (AFN)	Email	October 5, 2021	AFN thanked Enbridge for their email and noted that AFN is not in Treaty 20, and requested that Enbridge seek input from Curve Lake, Hiawatha, and Scugog First Nations as they are the signatories to Treaty 20.	Enbridge / October 5, 2021	Enbridge thanked Dave Simpson for the clarification.
25	Tom Cowie Lands/Resource Consultation Hiawatha First Nation (HFN)	Email	October 5, 2021	In response to Enbridge's email dated October 5, 2021, a community representative from HFN highlighted the high potential for archaeological findings in portions of the proposed project area.	Enbridge / October 6, 2021	Enbridge thanked HFN representative for responding and noted the concern has been flagged with the Project team that the area is culturally and archeologically significant. Enbridge noted that updates will be provided once the desktop archaeological work is underway.
26	Waverly Birch Regulatory Consultant Mississauga's of	Email	October 8, 2021	MSIFN representative noted that they have received the open house information regarding the Project and that MSIFN are interested in staying informed of the Project. MSIFN inquired about capacity funding for project engagement.	Enbridge / October 28, 2021	Enbridge acknowledged receipt of the capacity request and responded positively with an offer to meet and discuss capacity requirements for engagement.
	Scugog Island First Nation (MSIFN)	Email	October 28, 2021	MSFIN responded noting they would like to review the Project and another Enbridge project. MSFIN inquired if separate budgets should be submitted.	Enbridge / October 28, 2021	Enbridge responded to MSFIN's email confirming that two separate budgets for the two projects would be best.
27	Kaitlin Hill	Email	October 13, 2021	CLFN representative provided a letter via email regarding the proposed Project.	Enbridge / October 19, 2021	Enbridge thanked CLFN representative for the letter and noted a response will be provided.



Table B6.2: Summary of Project Correspondence – Indigenous Communities

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response	
	Lands and Resources Consultation Liaison				Enbridge / November 4, 2021	Enbridge responded to CLFN initial inquiry surrounding potential project impacts in the following areas of interest:	
	Curve Lake First Nation (CLFN)					Drinking Water – no impacts anticipated	
	Nation (CLFN)					 Endangerment to fish and wild game – pipeline will be mainly within existing municipal right-of-way, no impacts anticipated 	
						 Impact on Aboriginal heritage and cultural values – noted the previous Stage 1 AA (2006), the additional Stage 1 AA for the Reinforcement section and for the buffer zone outside of the municipal right-of-way. 	
						 Endangered species – no impacts anticipated 	
						 Lands: savannas etc. – no impacts anticipated 	
						 Indigenous burial or archaeological sites in the proposed project area – Stage 1 AA will be completed, and a draft will be provided to CLFN for review and comment. 	
						Enbridge noted capacity funding available for participation in and review of the Project.	
28 – 36	All Indigenous communities noted on the delegated DTC list	Email Octobe	October 22, 2021	Enbridge emailed all contacts on the delegated DTC list to provide an update on the Project's Archaeological Assessments (AAs). Enbridge provided background information on the Stage 1 AA completed for a portion of the Project in 2006, which was approved by the Ministry of Heritage, Sport, Tourism and Culture Industries, and noted that an additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2 of the Project), and that a Stage 2 AA will be required along specific areas of the preferred pipeline route. The current Stage 2 AA is related specifically to the Phase 1 of the proposed Project. Additionally, Enbridge sought confirmation of communities' interest in the planned Stage 2 AA fieldwork.	N/A	N/A	
1							
37 – 44	All Indigenous communities noted on the delegated DTC list	Email	October 28, 2021	Enbridge emailed each community on the delegated DTC list for the second time to gauge interest in participating in monitoring work associated with Phase 1 Stage 2 AA.	N/A	N/A	
45	Tom Cowie	Email	October 28, 2021	HFN responded to the October 28, 2021, email from Enbridge and	Enbridge / October 28, 2021	Enbridge responded committing to providing updates to HFN.	
	Lands/Resource Consultation		noted that there are no monitors available however HFN would like to receive Project updates.				
	HFN						
46	Marie-Sophie Gendron Archaeology Analyst	Email	October 29, 2021	HWN responded to Enbridge's invitation to participate in the Project and noted interest. HWN asked if they need to provide a quote for participation.	Enbridge / November 1, 2021	Enbridge responded acknowledging HWN's interest in the Project and requested a draft quote for HWN participation.	
	Huron-Wendat Nation (HWN)						



Table B6.2: Summary of Project Correspondence – Indigenous Communities

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
47	Jordon MacArthur Archaeological Program Administrator CLFN	Email	November 2, 2021	CLFN responded noting interest in participating, however, at that time they could not confirm if a liaison would be available. CLFN noted they will likely be able to provide a response the week of November 8-12.	Enbridge / November 4, 2021	Enbridge acknowledged CLFN's interest in participating in the Project and noted that Enbridge will await CLFN's decision regarding who the liaison will potentially be.
48	Dr. Julie Kapyrka Lands & Resources Consultation Liaison CLFN	Email	November 7, 2021	CLFN responded to the email from Enbridge on November 4 regarding the letter in response to CLFN initial inquiry. CLFN inquired if an invoice would be needed to process the filing fee.	Enbridge / November 8, 2021	Enbridge responded noting that an invoice to process the filing fee would be appreciated.
49 - 51	All Indigenous communities noted on the delegated DTC list	Email	November 11, 2021	Enbridge emailed each community on the delegated DTC list and provided an update and documentation regarding the Stage 2 AA. The email noted field work dates, contact information and safety training materials.	N/A	N/A
52	Waverly Birch Regulatory Consultant MSIFN	Email	November 12, 2021	MSIFN responded to the email from Enbridge on November 11 and noted that no field monitors would be able to take place in Stage 2 AA at this time. MSIFN indicated interest in participating when a field monitor is available, and that they are appraised of the results of the work.	Enbridge / November 12, 2021	Enbridge acknowledged MSFIN's response and committed to provide updates on Project activities related to the Stage 2 AA.
53	Marie-Sophie Gendron Archaeology Analyst Huron-Wendat Nation (HWN)	Email	November 12, 2021	HWN responded to the email from Enbridge on November 11 and noted that no field monitors would be available to participate during the dates provided. HWN requested to be appraised of the results of the work and requested a copy of the report for review and comment when available.	Enbridge / November 12, 2021 Enbridge / November 16, 2021	Enbridge acknowledged HWN's response and committed to provide updates on the Project activities related to the Stage 2 AA. In a follow-up email, Enbridge committed to providing a draft copy of the Environmental Report when ready.
55 – 59	All Indigenous communities noted on the delegated DTC list	Email	November 17, 2021	Enbridge emailed each community on the delegated DTC list and provided a summary of the Stage 2 AA field work conducted on November 16.	N/A	N/A
60 – 62	All Indigenous communities noted on the delegated DTC list	Email	November 18, 2021	Enbridge emailed each community on the delegated DTC list and provided a summary of the Stage 2 AA field work conducted on November 17.	N/A	N/A
63	Waverly Birch Regulatory Consultant	Email	November 18, 2021	MSFIN provided budget information for Enbridge consideration to facilitate the review of the Bobcaygeon project by MSFIN.	Enbridge / November 18, 2021	Enbridge thanked MSFIN for providing the quote for the Bobcaygeon project and committed to reviewing and providing a response.
64	MSIFN				Enbridge / November 19, 2021	Enbridge sent a follow-up email noting the approval of the proposed budget for the Bobcaygeon Project.
65 – 68	All Indigenous communities noted on the delegated DTC list	Email	November 22, 2021	Enbridge emailed each community on the delegated DTC list to provide a final update for the Stage 2 AA field work and provided a photo log of images taken during the duration of the two-day AA fieldwork.	N/A	N/A



Appendix B6.2 – Project Correspondence

Table B6.2: Summary of Project Correspondence – Indigenous Communities

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
69 – 77	All Indigenous communities noted on the delegated DTC list	Email	December 3, 2021	Enbridge emailed each community on the delegated DTC list to provide a link to the Environmental Report (ER) on the Enbridge website.	N/A	N/A
78 – 86	All Indigenous communities noted on the delegated DTC list	Email	January 6, 2022	Enbridge emailed each community on the delegated DTC list as a reminder of the email sent on December 3, 2021, to submit feedback on the ER by January 17, 2022.	N/A	N/A
87	Tom Cowie Lands/Resources Consultation HFN	Email	January 6, 2022	HFN responded and stated they have no concerns regarding the draft ER.	Enbridge / January 6, 2022	Enbridge thanked HFN for their reply.
88	Dr. Julie Kapryka Lands & Resources	Email Januar	January 6, 2022	CLFN responded to the January 6, 2022, email asking to be directed to link on the website where the ER is located.	Enbridge / January 6, 2022	Enbridge responded and provided directions to CLFN to access the ER.
	Consultation Liaison CLFN				Enbridge / January 17, 2022	Enbridge sent a follow-up email to CLFN to confirm comments will be submitted by end-of-day on January 17, 2022.
89	Francis M. Chua	Email	il January 17, 2022	A representative from CLFN responded noting comments would be sent by end-of-day January 17, 2022	Enbridge / January 17, 2022	Enbridge thanked CLFN for the prompt reply and offered an extension to end-of-day January 19, 2022, if required.
				The representative from CLFN noted that an extension would not be necessary and that the comments would be submitted January 17, 2022.		Enbridge thanked CLFN for their review.
90				CLFN provided their response to the ER.	Enbridge / January 19, 2022	Enbridge thanked CLFN for providing their comments and noted that a response would be developed and returned by or before Friday, February 18, 2022.
91					Enbridge / February 17, 2022	Enbridge provided CLFN with responses to each of the comments submitted by CLFN.
92	Sharday James Community Consultation Worker, Lands and Membership Chippewas of Rama First Nation (CRFN)	Email	January 7, 2022	CRFN responded noting they have reviewed the ER and that in the Species at Risk (SAR) category there were a number [of SAR] that could be encountered during construction. The CRFN asked how these impacts would be mitigated, how the SAR trees that were identified on site may be impacted by construction, and how will the work crew be able to identify the SAR tree species to report them.	Enbridge / January 10, 2022	Enbridge responded to the CRFN questions and noted that Table 5-1 in the ER provides mitigation measures related to wildlife, wildlife habitat and SAR. Enbridge stated that SAR will be avoided as much as possible by locating the Project within the municipally owned right-of-way and that an Information Gathering Form (IGF) will be submitted to the MECP to determine SAR requirements for the Project. Enbridge noted that it was planning to utilize best management practices (BMPs) and standard mitigation to avoid impacts to SAR and their habitats.
						With regards to workers identifying SAR, Enbridge noted that Environmental training at the onset of the Project will be undertaken which includes SAR and associated identification sheets and mitigation measures, and that an Environmental Inspector may be onsite regularly to support SAR identification and implementation of the mitigation measures.



4 of 5

Table B6.2: Summary of Project Correspondence – Indigenous Communities

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
93	Waverly Birch Regulatory Specialist		January 19, 2022	MSIFN provided comments on the ER.	Enbridge / January 20, 2022	Enbridge thanked MSIFN for providing their comments and noted that a response would be developed and returned by or before Friday, February 18, 2022.
94	MSIFN				Enbridge / February 17, 2022	Enbridge provided MSIFN with responses to each of the comments submitted by MSIFN.
95	Dr. Julie Kapyrka, Francis M. Chua, Kaitlin Hill, Kayla Wright	Email Feb	February 9, 2022	Enbridge circulated a summary of a February 8, 2022, meeting between Enbridge and representatives from CLFN. A copy of the presentation slides were provided as well.	N/A	N/A
	CLFN					
96	Dr. Julie Kapryka	Email	February 13, 2022	CLFN provided filing fees to Enbridge.	Enbridge / February 22, 2022	Enbridge provided confirmation of the payment of the filing fees.
	Lands & Resources Consultation Liaison					
	CLFN					
97	Dr. Julie Kapyrka, Francis M. Chua, Kaitlin Hill, Kayla Wright CLFN	Email	February 22, 2022	Enbridge emailed CLFN with a tentative and preliminary environmental field schedule for field work in the spring. Enbridge noted that the field schedule provided only includes environmental work and that another Enbridge representative would be in contact regarding matters related to archaeological participation.		N/A
98	Dr. Julie Kapyrka, Francis M. Chua, Kaitlin Hill, Kayla	Email	February 22, 2022	Enbridge emailed CLFN with excerpts from the ER responses circulated by Enbridge on February 18, 2022, to seek permission of CLFN to include the information provided in the ER.	CLFN / February 22, 2022	CLFN responded with approved text that could be used by Enbridge in the ER.
	Wright CLFN	Email	February 22, 2022	Enbridge thanked CLFN for their prompt response.	N/A	N/A



From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:45:14 PM
Attachments: Map Bob Project 20210812.pdf

2021 08 31- Bobcaygeon NoCVOH LLesage vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:34 PM

To: Valerie.Janssen@wendake.ca

Cc: Mélanie Vincent < melanievincent21@yahoo.ca>; Jean-Francois Richard < Jean-

Francois.Richard@wendake.ca>; Isabelle Lechasseur < Isabelle.Lechasseur@wendake.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Valerie,

Please find the project initiation letter, map, and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | $\underline{\mathsf{melanie.book@enbridge.com}}$

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:45:37 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

20210831- Bobcaygeon Indigenous NoCVOH ChiefSandy vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:50 PM

To: council@chimnissing.ca

Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Joanne P. Sandy,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Beausoleil First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:45:44 PM

Attachments: 20210831- Bobcaygeon NoCVOH DMowat vfinal.pdf

Map Bob Project 20210812.pdf

ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:45 PM

To: dmowat@alderville.ca **Cc:** consultation@alderville.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Mowat,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached, for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Alderville First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:45:55 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

2021 08 21- Bobcaygeon Indigenous NoCVOH ChiefWilliams vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:24 PM

To: Sharday James <shardayj@ramafirstnation.ca>

Cc: consultation@ramafirstnation.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Williams,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

 From:
 Melanie Book

 To:
 BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:46:09 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

2021 08 31- Bobcaygeon Indigenous NoCVOH ChiefWhetung vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:53 PM **To:** Julie Kapyrka <JulieK@curvelake.ca>

Cc: 'kaitlinh@curvelake.ca' <kaitlinh@curvelake.ca>; francis@francischua.com; Jordon MacArthur

<JordonM@curvelake.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Dr. Julie,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Curve Lake First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

_

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:46:09 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

20210831- Bobcaygeon Indigenous NoCVOH ChiefCarr vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:28 PM

To: 'tcowie@hiawathafn.ca' <tcowie@hiawathafn.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Tom,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Hiawatha First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:46:57 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

20210831- Bobcaygeon Indigenous NoCVOH ChiefBigCanoe vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:22 PM **To:** donna.bigcanoe@georginaisland.com **Cc:** sylvia.mccue@georginaisland.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Big Canoe,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

_

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

 From:
 Melanie Book

 To:
 BobcaygeonEA

Subject: FW: Project Initiation- Bobcaygeon Community Expansion Project

Date: Friday, September 3, 2021 2:47:07 PM

Attachments: ppt 160951282 Bobcaygeon Indigenous 20210811 final.pdf

Map Bob Project 20210812.pdf

20210831- Bobcaygeon Indigenous NoCVOH ChiefLaRocca vfinal.pdf

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:30 PM **To:** ckennedy@scugogfirstnation.com **Cc:** kbent@scugogfirstnation.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Colleen,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: Lori-Jeanne Bolduc

Cc: <u>Mario Gros Louis</u>; <u>Mélanie Vincent</u>; <u>Matthew Chegahno</u>

Subject: RE: Tr :Project Initiation- Bobcaygeon Community Expansion Project

Date: Monday, September 27, 2021 2:13:35 PM

Attachments: MENDM REV Jul 29.zip

Please do not open any attachments from organizations or people that you are not familiar with. Also, since it is possible for viruses to SPOOF or fake the sender's address, do not open emails with attachments from people you know, or from whom you were not expecting an attachment, or if the attachment is a file type or file name that you customarily do not receive from this person.

Good afternoon Lori-Jeanne,

It was wonderful to have the opportunity to touch base today. Please see the high level shapefiles attached for the proposed *Bobcaygeon Community Expansion Project*.

For your information and as discussed:

The proposed shapefile does not indicate side of road rather the general routing that is contained within the preliminary plan. The information contained in the shapefile should be treated as confidential and is only for the use of intended recipient and may not be used, published or redistributed without the consent of Enbridge Gas Inc. This document provides general information only and may be subject to change.

Please advise if you would like to schedule a briefing on this project, and the proposed archaeological approaches, once you have had a chance to review the shapefiles.

Kindest,

Melanie

From: Lori-Jeanne Bolduc <Lori-Jeanne.Bolduc@wendake.ca>

Sent: Wednesday, September 15, 2021 3:48 PMTo: Melanie Book < Melanie.Book@enbridge.com>Cc: Mario Gros Louis < Mario.GrosLouis@wendake.ca>

Subject: [External] TR: Tr: Project Initiation-Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Melanie,

Thank you for your email. For any further correspondence or information about this project, you can keep myself and Mario Gros-Louis as the main points of contact.

Are there any shapefiles of the route of the pipeline that you could send us?

I also believe that it would be useful for us to have a presentation of this project. Since we already have a meeting planned on September 27th for the Ajax Reinforcement Project, it would be a good opportunity to discuss briefly about this project as well. As you know, the Huron-Wendat is requesting to be involved in all the steps related to archaeology. Let me know if that works for you.

Thank you,

Lori-Jeanne

ATTENTION: Please note that Maxime Picard has a new position at the Huron-Wendat Nation Council and is no longer in charge of Ontario consultations. Any new consultation from Ontario must be sent to Mario Gros-Louis (mario.groslouis@wendake.ca) and Lori-Jeanne Bolduc (lori-jeanne.bolduc@wendake.ca).

For inquiries relating specifically to archaeology (fieldwork planning, monitoring, reports review, etc.), please contact Marie-Sophie Gendron (marie-sophie.gendron@wendake.ca), Isabelle Lechasseur (isabelle.lechasseur@wendake.ca) and Jean-François Richard (jean-françois.richard@wendake.ca).



Avis sur la protection et la confidentialité des informations

L'information contenue dans ce courriel est confidentielle et protégée en vertu des lois et règlements applicables. Son contenu est réservé au(x) destinataire(s) à qui il est adressé. Il est donc interdit de le diffuser ou d'en dévoiler les intentions. Si vous recevez ce message par erreur, veuillez le détruire et nous en faire part dans les plus brefs délais.

Warning on protection and confidentiality of information

The information contained in this e-mail is confidential and protected in accordance with the applicable laws and regulations. Its content is intended specifically for the recipient(s) to whom it is addressed. It is therefore prohibited to distribute or to disclose the content. If you receive this communication by error, please destroy it and notify us as soon as possible.

---- Message transféré -----

De: "Melanie Book" < <u>Melanie.Book@enbridge.com</u>>

A: "Valerie.Janssen@wendake.ca" < Valerie.Janssen@wendake.ca>

Cc: "Mélanie Vincent" < <u>melanievincent21@yahoo.ca</u>>, "Jean-Francois Richard" < <u>Jean-Francois.Richard@wendake.ca</u>>, "Isabelle Lechasseur" < <u>Isabelle.Lechasseur@wendake.ca</u>>

Envoyé: mar., août 31 2021 à 17:34

Objet: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Valerie,

Please find the project initiation letter, map, and notice of commencement for Enbridge

Gas' proposed Bobcaygeon Community Expansion Project, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline**. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes

Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability

Affaires publiques, communications et développement durable

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book

To: consultation@alderville.ca
Cc: Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:07:11 PM

Good Afternoon Dave,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:45 PM

To: dmowat@alderville.ca **Cc:** consultation@alderville.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Mowat,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached, for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Alderville First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: <u>council@chimnissing.ca</u>

Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca; Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:14:00 PM

Good Afternoon Chief Joanne P. Sandy,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please welcome staff or community members to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not he sitate to contact me and I will be sure to schedule some time for us.

Respectfully,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:50 PM

To: council@chimnissing.ca

Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Joanne P. Sandy,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Beausoleil First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: Julie Kapyrka

Cc: "kaitlinh@curvelake.ca"; francis@francischua.com; Matthew Chegahno
Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:16:12 PM

Good Afternoon Dr. Julie,

I hope this email finds you well, as always.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not he sitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:53 PM **To:** Julie Kapyrka <JulieK@curvelake.ca>

 $\textbf{Cc:} \ 'kaitlinh@curvelake.ca' < kaitlinh@curvelake.ca>; francis@francischua.com; Jordon \ Mac Arthur \ Art$

<JordonM@curvelake.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Dr. Julie,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Curve Lake First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: donna.bigcanoe@georginaisland.com

 Cc:
 sylvia.mccue@georginaisland.com; Matthew Chegahno

 Subject:
 Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:18:06 PM

Good Afternoon Chief Big Canoe,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please welcome staff or community members to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not he sitate to contact me and I will be sure to schedule some time for us.

Respectfully,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:22 PM **To:** donna.bigcanoe@georginaisland.com **Cc:** sylvia.mccue@georginaisland.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Big Canoe,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: "tcowie@hiawathafn.ca"
Cc: Matthew Chegahno

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:19:13 PM

Good Afternoon Tom,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

If you have any questions or feedback on the project, or just want to speak with me directly about it, please do not hesitate to contact me and I will be sure to schedule some time for us.

Thanks in advance,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:28 PM

To: 'tcowie@hiawathafn.ca' <tcowie@hiawathafn.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Tom,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Hiawatha First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book
To: Sharday James

Cc: <u>consultation@ramafirstnation.ca</u>; <u>Matthew Chegahno</u>

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:20:29 PM

Good Afternoon Sharday,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

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Thanks in advance,

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:24 PM

To: Sharday James <shardayj@ramafirstnation.ca>

Cc: consultation@ramafirstnation.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Williams,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

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Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: <u>ckennedy@scugogfirstnation.com</u>

Cc: <u>kbent@scugogfirstnation.com</u>; <u>Matthew Chegahno</u>

Subject: Virtual Open House- Bobcaygeon Community Expansion Project

Date: Thursday, September 16, 2021 4:21:40 PM

Good Afternoon Colleen,

I hope this email finds you well as we all start returning from summer vacations and gear up for a busy Fall.

I'm writing to you today to notify you that the Virtual Open House (VOH) for Enbridge Gas' Bobcaygeon Community Expansion Project is now live and underway. Please feel free to click here to access the VOH – I think you'll find that it has lots of rich information, including a project map, project overview, the process behind the environmental study, as well as a section on next steps. I'd like to kindly invite you, and anyone else in your community that may be interested, to have a look around the website to learn more about the Project.

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com

400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:30 PM **To:** ckennedy@scugogfirstnation.com **Cc:** kbent@scugogfirstnation.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Colleen,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: consultation@alderville.ca
Cc: Matthew Cheqahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:47:24 AM

Good Morning Dave,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

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CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:45 PM

To: dmowat@alderville.ca **Cc:** consultation@alderville.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Mowat,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached, for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Alderville First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: <u>council@chimnissing.ca</u>

Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:49:03 AM

Good Morning Chief Sandy,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:50 PM

To: council@chimnissing.ca

Cc: msmith@chimnissing.com; fnadmin@chimnissing.ca; executiveassistant@chimnissing.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Joanne P. Sandy,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Beausoleil First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book
To: Julie Kapyrka

Cc: "kaitlinh@curvelake.ca"; francis@francischua.com; Jordon MacArthur; Matthew Chegahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:49:52 AM

Good Morning Dr. Julie,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:53 PM **To:** Julie Kapyrka <JulieK@curvelake.ca>

 $\textbf{Cc:} \ 'kaitlinh@curvelake.ca' < kaitlinh@curvelake.ca>; francis@francischua.com; Jordon \ Mac Arthur \ Art$

<JordonM@curvelake.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Dr. Julie,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Curve Lake First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: donna.bigcanoe@georginaisland.com

Cc: sylvia.mccue@georginaisland.com; Matthew Chegahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:51:57 AM

Good Morning Chief Big Canoe,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

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Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:22 PM **To:** donna.bigcanoe@georginaisland.com **Cc:** sylvia.mccue@georginaisland.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Big Canoe,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

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Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

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Melanie

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Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book

To: "tcowie@hiawathafn.ca"
Cc: Matthew Chegahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:52:51 AM

Good Morning Tom,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

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Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:28 PM

To: 'tcowie@hiawathafn.ca' <tcowie@hiawathafn.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Tom,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline**. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Hiawatha First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

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Melanie

Melanie Book

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book
To: Sharday James

Cc: <u>consultation@ramafirstnation.ca</u>; <u>Matthew Chegahno</u>

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:56:22 AM

Good Morning Sharday,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

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Melanie

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:24 PM

To: Sharday James <shardayj@ramafirstnation.ca>

Cc: consultation@ramafirstnation.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Williams,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed

Bobcaygeon Community Expansion Project, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com Safety. Integrity. Respect. Inclusion. From: Melanie Book

To: <u>ckennedy@scugogfirstnation.com</u>

Cc: <u>kbent@scugogfirstnation.com</u>; <u>Matthew Chegahno</u>

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 9:57:35 AM

Good Morning Colleen,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:30 PM **To:** ckennedy@scugogfirstnation.com **Cc:** kbent@scugogfirstnation.com

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Colleen,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project,* attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline**. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking the community's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

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Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: Melanie Book
To: Dave Simpson

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Tuesday, October 5, 2021 10:22:48 AM

Thank you, Dave! The Province had identified Alderville in their DTC delegation letter. Appreciate your clarity, always.

Hope you are well,

Mel

From: Dave Simpson <consultation@alderville.ca>

Sent: Tuesday, October 5, 2021 10:20 AM

To: Melanie Book < Melanie. Book@enbridge.com>

Subject: [External] RE: Project Initiation- Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Thank you for the email Melanie but Alderville First Nation is not part of treaty 20 where this project is located. Curve Lake Hiawatha and Scugog Island are the signatories to this treaty and they should share any concerns that they may have.

Thank you

Consultation coordinator Dave Simpson Alderville First Nation consultation@alderville.ca (905) 352-2662

From: Melanie Book < Melanie.Book@enbridge.com >

Sent: October 5, 2021 9:47 AM

To: Dave Simpson < consultation@alderville.ca>

Cc: Matthew Chegahno < matthew.chegahno@enbridge.com >

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Good Morning Dave,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with

communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

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Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: Melanie Book

Sent: Tuesday, August 31, 2021 4:45 PM

To: dmowat@alderville.ca
Cc: consultation@alderville.ca

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Chief Mowat,

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached, for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Alderville First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

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ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

 From:
 Melanie Book

 To:
 Tom Cowie

 Cc:
 Matthew Chegahno

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Date: Wednesday, October 6, 2021 2:23:06 PM

Good Afternoon Tom,

Thank you for this. After having spoken to Dr. Julie at Curve Lake, this is consistent with what she noted.

I have flagged this with the project team, that this area is culturally and archaeological significant. I genuinely appreciate the initial feedback.

I will let you know once we get some of the desktop archaeological work going.

Miigwech,

Melanie

From: Tom Cowie <tcowie@hiawathafn.ca>
Sent: Tuesday, October 5, 2021 1:09 PM

To: Melanie Book < Melanie. Book@enbridge.com >

Subject: [External] RE: Project Initiation- Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Aaniin Melanie.

The major concern we have is the high potential of artifact being found. Even though it is a built up area and lands have been disturbed there still is a possibility of discovering something. We are finding more and more discoveries along the tributaries and waterways.

Mno nendam ghiizhigad,

Tom Cowie Lands/Resources Consultation

Hiawatha First Nation 431 Hiawatha Line Hiawatha, ON K9J 0E6 705-295-3156 705-295-7177 (fax) tcowie@hiawathafn.ca "We, the Mississaugi of Hiawatha First Nation, are a vibrant, proud, independent and healthy people balanced in the richness of our Culture and Traditional way of life"

Wisdom/Nbwaakaawin Love/Zaagidiwin Respect/Mnaadendamowin Bravery/Aakdehewin Honesty/Gwekwaaziwin Humility/Dbadendizwin Truth/Debwewin

From: Melanie Book < Melanie.Book@enbridge.com >

Sent: Tuesday, October 5, 2021 9:53 AM **To:** Tom Cowie < tcowie@hiawathafn.ca

Cc: Matthew Chegahno < matthew.chegahno@enbridge.com >

Subject: RE: Project Initiation- Bobcaygeon Community Expansion Project

Good Morning Tom,

I hope this email finds you well. I'd like to follow up on the proposed *Bobcaygeon Community Expansion Project* initiation email sent on **August 31, 2021**.

In alignment with Enbridge's Indigenous Peoples' Policy, we seek to work collaboratively with communities in proximity to our proposed project areas. I would be grateful to engage in an open dialogue to understand your community's potential preliminary interests and or concerns on this project, so that we can work together to integrate mitigations into the proposed project planning.

Should you have any questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7

enbridge.com

From: Melanie Book

Sent: Tuesday, August 31, 2021 5:28 PM

To: 'tcowie@hiawathafn.ca' < tcowie@hiawathafn.ca>

Subject: Project Initiation- Bobcaygeon Community Expansion Project

Good Afternoon Tom.

Please find the project initiation letter and notice of commencement for Enbridge Gas' proposed *Bobcaygeon Community Expansion Project*, attached.

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

A presentation detailing preliminary information on the proposed project, including archaeological and environmental considerations is attached for your reference. You will also find a more detailed map of the proposed project, attached.

We are seeking Hiawatha First Nation's initial feedback or shared knowledge by **Tuesday, October 12, 2021.**

Should you have questions or concerns, or would be interested in setting up a briefing on this project please feel free to contact me directly. We look forward to engaging with you to ensure your community's interests are being considered and represented.

Miigwech,

Melanie

Melanie Book

Strategist, Community & Indigenous Engagement, Ontario, Quebec and Maritimes Stratégiste, Engagement communautaire et autochtone, Ontario, Québec et Maritimes

Public Affairs, Communications & Sustainability
Affaires publiques, communications et développement durable

ENBRIDGE/ M&NP

CELL: 613-355-6561 | melanie.book@enbridge.com 400 Coventry Rd, Ottawa, ON K1K 2C7 enbridge.com

From: <u>Matthew Chegahno</u>

To: <u>Consultation</u>; <u>Monica Sanford</u>; <u>Don@ibabraiding.com</u>

Cc: Melanie Book

Subject: RE: Enbridge Bobcaygeon comments

Date: Thursday, October 28, 2021 5:17:13 PM

Hi Waverly,

Indeed – That sounds like the right approach. And I'm pleased to learn that Scugog Island First Nation is interested in reviewing these projects. Please feel free to develop budgets for both projects *separately* and send to Melanie and I for review when you're finished.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

—

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Consultation <consultation@scugogfirstnation.com>

Sent: Thursday, October 28, 2021 4:05 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>; Monica Sanford

<msanford@scugogfirstnation.com>; Don@ibabraiding.com

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: [External] RE: Enbridge Bobcaygeon comments

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Matthew,

Thank you for your response and recognition of the need for capacity support. We are looking to review both this project, and the Haldimand Shores Community Expansion.

Would it be best for us for us to prepare modest budgets for this work, and send these to you for review?

Kindly,

Waverley

Waverley Birch (she/her) MES, RPP, MCIP Regulatory Consultant

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: Thursday, October 28, 2021 10:18 AM

To: Consultation < consultation@scugogfirstnation.com >; Monica Sanford

<msanford@scugogfirstnation.com>; Don@ibabraiding.com

Cc: Melanie Book < Melanie.Book@enbridge.com > **Subject:** RE: Enbridge Bobcaygeon comments

Some people who received this message don't often get email from <u>matthew.chegahno@enbridge.com</u>. <u>Learn</u> why this is important

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good afternoon Waverley,

Thank you for reaching out. Enbridge acknowledges the capacity support required to engage in meetings, timely reviews of the documents, participation in field work associated with proposed projects, and to engage in meaningful consultations. Our usual practice is to provide communities with the direct billing information for the project in question and communities then bill for capacity expenditures, once capacity needs (or a budget) have been discussed.

Do you have a sense of the capacity support the community will require to review the project's potential impacts? We are committed to ensuring the community can meaningfully participate in the consultation for this proposed project.

Please advise if you would like to discuss and I would be happy to set-up a time to chat at your convenience.

Chi-miigetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Consultation < consultation@scugogfirstnation.com>

Sent: Friday, October 8, 2021 1:16 PM

To: Melanie Book < Melanie.Book@enbridge.com >

Cc: Monica Sanford < msanford@scugogfirstnation.com >; Don@ibabraiding.com

Subject: [External] Enbridge Bobcaygeon comments

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Melanie,

We have reviewed the open house information you sent regarding the Enbridge Bobcaygeon project, which MSIFN is interested in staying informed of.

We would also like to inquire about the possibility of a modest budget to facilitate our review of the project's impacts, primarily on watercourses, waterbodies, and wetlands. Please let us know if this is possible.

Kindly, Waverley

Waverley Birch (she/her) MES, RPP, MCIP Regulatory Consultant 705-500-0926

I look forward to continuing to work with you, on behalf of Curve Lake, on this matter.

Matthew Chegahno
Advisor, Community & Indigenous Engagement
Public Affairs, Communications & Sustainability

From: Melanie Book - Melanie Book @enbridge.com>
Sent: Tuesday, October 19, 2021 10:45 AM
To: Kaitlani Hill - Addinini-Berunelake.com>
To: Kaitlani Hill - Addinini-Berunelake.com>
Ct: Julie Kapyrka-ciuliek@envelake.com>
Matthew Chegahno - matthew.chegahno@enbridge.com>
Subject: It it: Booksyenc Community Expansion Project

Good Morning Kaitlin,

Thank you for this. We will prepare a response and look forward to engaging with the community on this proposed project.

From: Kaltlin Hill < Kaltlin Hill < Kaltlin Hill Courselake ca>
Sent: Wednesday, October 13, 2021 4:17 PM
To: Melanie Book Melanie Book <a href="Melanie Book Melanie Book@enbridge.com
Cz zlule Kapynes Melanie Bookaygeon
Subject: [External] Bobcaygeon Community Expansion Project

CAUTION: EXTERNAL EMAIL
This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.
Annin Melanie,

I hope you are doing well and had a good thanks giving. Please find attached a letter from Curve Lake in regard to the proposed Bobcaygeon Community Expansion Project.



AIKKOBKFVAHWZHLIGKRWIGIG7AHEUJG63Hshbisbh87III.A88JBPXK85ZgmrXxxXIII.WZGQTTm88ISQUMB8QjmunIIKSOAUHZG3IVMgwQOWb7Z5azBSaEU01xCZq176VUBB1R0zK4TPQQyQ5_SDtpJ0d0-

From: <u>Matthew Chegahno</u>
To: <u>consultation@alderville.ca</u>

Cc: Melanie Book

Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:57:36 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Dave,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to <u>Phase One</u> of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com;

Cc: Melanie Book

Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:57:36 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Chief Big Canoe

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: <u>ckennedy@scugogfirstnation.com</u>; <u>kbent@scugogfirstnation.com</u>

Cc: Melanie Book

Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:57:41 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Colleen,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: JulieK@curvelake.ca; francis@francischua.com; kaitlinh@curvelake.ca; JordonM@curvelake.ca

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:57:42 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Dr. Julie,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

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Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca;

fnadmin@chimnissing.ca

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date:Friday, October 22, 2021 1:57:45 PMAttachments:2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Susan,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to <u>Phase One</u> of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like

to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>kawarthanishnawbecouncil@outlook.com</u>

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:57:49 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Chief Nahrhang,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: Valerie.Janssen@wendake.ca; melanievincent21@yahoo.ca; Jean-Francois.Richard@wendake.ca;

Isabelle.Lechasseur@wendake.ca

Cc: Melanie Book

Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date:Friday, October 22, 2021 1:58:06 PMAttachments:2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Valerie

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

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Stage 2:

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to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>shardayj@ramafirstnation.ca</u>; <u>consultation@ramafirstnation.ca</u>

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:58:18 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Sharday,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno
To: tcowie@hiawathafn.ca

Cc: Melanie Book

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Friday, October 22, 2021 1:58:25 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Good afternoon Tom.

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

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Stage 2:

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: Valerie.Janssen@wendake.ca; melanievincent21@yahoo.ca; Jean-Francois.Richard@wendake.ca;

<u>Isabelle.Lechasseur@wendake.ca</u>

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:38:54 PM

Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Valerie,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on the Huron Wendat's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome the Huron Wendat's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:57 PM

To: Valerie.Janssen@wendake.ca; melanievincent21@yahoo.ca; Jean-Francois.Richard@wendake.ca; Isabelle.Lechasseur@wendake.ca

Cc: Melanie Book < Melanie.Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Valerie

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: <u>kawarthanishnawbecouncil@outlook.com</u>

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:38:56 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Chief Nahrhang,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Kawartha Nishnawbe's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Kawartha Nishnawbe's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{matthew.chegahno@enbridge.com}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:57 PM

To: 'kawarthanishnawbecouncil@outlook.com' <kawarthanishnawbecouncil@outlook.com>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Chief Nahrhang,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

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Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca;

fnadmin@chimnissing.ca

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:38:59 PM

Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Susan,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Beausoleil First Nation's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Beausoleil First Nation's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4 $\,$

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:55 PM

To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca; fnadmin@chimnissing.ca

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Susan,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

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Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: ckennedy@scugogfirstnation.com; kbent@scugogfirstnation.com; kbent@scugogfirstnation.com;

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:39:02 PM

Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Colleen.

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Scugog Island First Nation's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Scugog Island First Nation's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{matthew.chegahno@enbridge.com}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:57 PM

To: ckennedy@scugogfirstnation.com; kbent@scugogfirstnation.com

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Colleen,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

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If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: <u>JordonM@curvelake.ca</u>; <u>francis@francischua.com</u>

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:39:05 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Jordon.

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Curve Lake's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Curve Lake's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{matthew.chegahno@enbridge.com}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:55 PM

To: 'JulieK@curvelake.ca' <JulieK@curvelake.ca>; 'francis@francischua.com' <francis@francischua.com>; 'kaitlinh@curvelake.ca' <kaitlinh@curvelake.ca>;

'JordonM@curvelake.ca' < JordonM@curvelake.ca>

Cc: Melanie Book < Melanie.Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Dr. Julie,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the Bobcaygeon Community Expansion

Project to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

-

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

- ---

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to Phase One of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno
To: tcowie@hiawathafn.ca

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:39:23 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Tom.

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Hiawatha First Nation's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Hiawatha First Nation's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{\mathsf{matthew.chegahno@enbridge.com}}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:56 PM

To: tcowie@hiawathafn.ca

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Tom,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to**

approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to <u>Phase One</u> of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>shardayj@ramafirstnation.ca</u>; <u>consultation@ramafirstnation.ca</u>

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:39:56 PM

Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Sharday,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Chippewas of Rama First Nation's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Chippewas of Rama First Nation's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{matthew.chegahno@enbridge.com}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:56 PM

To: shardayj@ramafirstnation.ca; consultation@ramafirstnation.ca

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Sharday,

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to**

approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to <u>Phase One</u> of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com;

Cc: Melanie Book

Subject: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 12:43:15 PM
Attachments: 2 rev FINAL stage1 report 1.pdf

160951282 Fig01 Arch Project Stage02 20211018.pdf

Hi there Chief Big Canoe,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on Chippewas of Georgina Island First Nation's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome Chippewas of Georgina Island First Nation's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:56 PM

To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Chief Big Canoe

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline.** The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

Enbridge had a Stage 1 AA completed for a portion of the proposed project in 2006 (report attached), which has been accepted into the MHSTCI's archaeological register and confirmed by Stantec with the MHSTCI that the report could be grandfathered in for Phase One of this proposed

project. As always, should your community have any additional insight into this area, we always appreciate the opportunity to proactively incorporate shared knowledge, in future reports.

An additional Stage 1 AA is being conducted for the Reinforcement section (Phase 2) of the pipeline as well as an additional buffer zone outside of the municipal right-of-way for the Supply Lateral to account for potential Temporary Working Space. Any supplementary draft Stage 1 Reports, for other phases of the proposed project, will be shared with your community for review, once prepared.

Stage 2:

Based on the results of the 2006 Stage 1 AA desktop review, a Stage 2 AA will be required along specific areas of the preferred pipeline route. Please note that this Stage 2 AA is related specifically to <u>Phase One</u> of the proposed project (see map attached), the Stage Two field work is planned for the following dates.

Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Tom Cowie

 Cc:
 Melanie Book

Subject: RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Thursday, October 28, 2021 1:28:42 PM

Tom,

Chi-miigwetch for clarifying on this matter. I will certainly keep you, and Hiawatha First Nation by extension, informed on this work going forward.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: Tom Cowie <tcowie@hiawathafn.ca> Sent: Thursday, October 28, 2021 1:19 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Subject: [External] RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion

Project

CAUTION: EXTERNAL EMAIL

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Aaniin Mathew,

Unfortunately I have no one available. I would appreciate being kept in the loop and notified if any significant pieces are found.

Mno nendam ghiizhigad,

Tom Cowie Lands/Resources Consultation

Hiawatha First Nation 431 Hiawatha Line From: <u>Matthew Chegahno</u>
To: <u>Marie-Sophie Gendron</u>

Cc: Jean-François Richard; Isabelle Lechasseur; Melanie Book

Subject: RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Date: Monday, November 1, 2021 9:48:20 AM

Good morning Marie-Sophie,

These are busy times — No trouble at all for needing some extra time before responding. I'm happy to hear that there is interest in participating in the proposed *Bobcaygeon Community Expansion Project*. Indeed, please draft up a quote for your participation in this project and send to Melanie Book (cc'd) and I for review.

Thanks very much for the response and look forward to working with you on behalf of the Huron Wendat.

Have a great week,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: Marie-Sophie Gendron < Marie-Sophie. Gendron@wendake.ca>

Sent: Friday, October 29, 2021 10:47 AM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Jean-Francois Richard < Jean-Francois.Richard@wendake.ca>; Isabelle Lechasseur

<Isabelle.Lechasseur@wendake.ca>

Subject: [External] RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion

Project

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Good morning Matthew,

We are sorry for the delay on our part. The Nation is definitely interested in participating on this project. From now on, I will be the main contact on the archaeological matter. Do you

need me to provide a quote for our participation on this project?

Best,

Marie-Sophie



Avis sur la protection et la confidentialité des informations

L'information contenue dans ce courriel est confidentielle et protégée en vertu des lois et règlements applicables. Son contenu est réservé au(x) destinataire(s) à qui il est adressé. Il est donc interdit de le diffuser ou d'en dévoiler les intentions. Si vous recevez ce message par erreur, veuillez le détruire et nous en faire part dans les plus brefs délais.

Warning on protection and confidentiality of information

The information contained in this e-mail is confidential and protected in accordance with the applicable laws and regulations. Its content is intended specifically for the recipient(s) to whom it is addressed. It is therefore prohibited to distribute or to disclose the content. If you receive this communication by error, please destroy it and notify us as soon as possible.

De: Matthew Chegahno < matthew.chegahno@enbridge.com >

Envoyé : 28 octobre 2021 12:36

À: Valerie Janssen <<u>Valerie.Janssen@wendake.ca</u>>; <u>melanievincent21@yahoo.ca</u>; Jean-Francois Richard <<u>Jean-Francois.Richard@wendake.ca</u>>; Isabelle Lechasseur

Devez-vous vraiment imprimer ce courriel?

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Do you really need to print this email?
Think to the environment

<Isabelle.Lechasseur@wendake.ca>

Cc: Melanie Book < Melanie.Book@enbridge.com >

Objet: FW: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Hi there Valerie,

I hope you're keeping well through what I'm sure has been a busy start to the Fall season.

Further to below, I wanted to follow up on the Huron Wendat's potential interest in participating in the monitoring work associated with the Phase 1 Stage 2 Archaeological Assessment for the proposed *Bobcaygeon Community Expansion Project*.

We welcome the Huron Wendat's participation and input. Please let me know if you have any questions/concerns.

Take care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: Matthew Chegahno

Sent: Friday, October 22, 2021 1:57 PM

To: <u>Valerie.Janssen@wendake.ca</u>; <u>melanievincent21@yahoo.ca</u>; <u>Jean-Francois.Richard@wendake.ca</u>; <u>Isabelle.Lechasseur@wendake.ca</u>

Cc: Melanie Book < Melanie.Book@enbridge.com >

Subject: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

Good afternoon Valerie

I hope you've had a great week and are staying well. Please find updates on the Archaeological Assessments (AAs) for the proposed *Bobcaygeon Community Expansion Project*, below:

Project Summary:

Enbridge Gas Inc. (Enbridge Gas) is proposing to construct the *Bobcaygeon Community Expansion Project* to supply the community with affordable natural gas (the Project). The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and would consist of **up to** approximately 50 kilometers (km) of a combination of 6- and 8-inch steel and plastic natural gas pipeline. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS).

Stage 1:

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Stage 2:

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Proposed start date: November 16, 2021 **Proposed end date:** November 18, 2021

Please take time to review this information and advise if your community is interested in participating in this monitoring work. I would also kindly ask you to indicate whether you would like to be included in-person or virtually.

If you have any questions or concerns in the meantime, please feel encouraged to reach out to me directly.

Thanks in advance and have a great weekend,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: To: Cc: Subject: Melanie Book
RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project
Thursday, November 4, 2021 10:20:42 AM

Good morning Jordon,

Thanks for indicating that Curve Lake would be interested in participating. I will await your final decision regarding if and who Curve Lake will send. Look forward to hearing from you next week.

Take care in the meantime,

Matthew

Matthew Chegahno Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Jordon MacArthur < Jordon M@curvelake.ca>

Sent: Tuesday, November 2, 2021 4:10 PM

 $\textbf{\textbf{To:}} \ \, \textbf{Matthew Chegahno < matthew.chegahno@enbridge.com} >; francis@francischua.com}$

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: [External] RE: Status of Archaeological Assessments for Bobcaygeon Community Expansion Project

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Good afternoon Matthew,

Curve Lake would be interested in participating, however I cannot confirm a liaison being available at this time as we are waiting to determine if some other projects finish. I will be better able to answer I hope by next week.

Thank you,



Jordon MacArthur

Jordon MacArthur
Archaeological Program Administrator
Curve Lake First Nation Government Services Building
22 Winookeeda Road, Curve Lake, ON KOL 1R0
P: 705.657.8045 ext. 237 C: 705.957.9549 F: 705.657.8708
W: http://secure-web.cisco.com/14ltSvNlnU06DoVpeXMHJO9xgcRR0U-NuQitb94d1Dr2Qd21oFOxSGXtM7OFosY9ZVYJgB8EubEDZ7Ujc_v97vT5njUfyMJPnmMeHlpkc4PRHpp8EtzQ537VNOYpoJuQF0JdADrAwpXu8hftY232CLO0X5JyGpQM7evXuqW9kCMN0vm3wPExecqktEriOcrl6g9f1qHoB7_Y_tj0ig8k0gmHu9j3LvQ61D8ayAX4mv6gA-Q27356IWr9YvG0OVt-IFhmGA6_DRro63of6fW1CaULuoIE8JdoffCQ_KGMO1XdmL16tgujmbXNb09XVt/http%3A%2F%2Fwww.curvelakefirstnation.ca
E: JordonM@curvelake.ca

I hope you had an enjoyable weekend.

Yes, please – An invoice to process the filing fee would be very much appreciated.

Matthew Chegahno
Advisor, Community & Indigenous Engagement
Public Affairs, Communications & Sustainability ENBRIDGE INC.
CELL: 519-502-3570 | matthew.cheadros@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Julie Kapyrka <a href="https://doi.org/10.1016/j.com

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Annin Matthew.

Do you need an invoice to process our filling fee?

Milgwech.

All the best,



Dr. Julie Kapyrka
Lands & Resource Consultation Lision
Curve Lake First Nation Government Services Building
Curve Lake First Nation Government Services Building
Pr. 705.657.805 est. 239 F. 705.657.8708
Pr. 705.657.805 est. 239 F. 705.657.8708
Pr. 705.657.806 est. 239 F. 705.657.8708
White:://Becurve-whicksco.com/Inde/Monking/Lisionalshik/Monki

 From:
 Matthew Chegahno

 To:
 Consultation

 Cc:
 Melanie Book

Subject: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Thursday, November 11, 2021 11:33:28 AM

Attachments: 20XXX-FS-COVID19-ContractorProtocols V4.pdf
Site Visit Health Assessment Fillable Form.pdf

First Nations Visitors - Field Visits - Safety Orientation.pptx

Lifesaving Rules.pdf

Bobcaygeon Stage 2 AA - Meeting Point.png

Good morning Waverly,

I hope this note finds you well. I am just reaching out to confirm that Scugog Island First Nation will be participating in the Stage 2 archaeological field work for the proposed *Bobcaygeon Community Expansion Project* beginning next Tuesday.

The details for the Stage 2 archaeological field work for *Bobcaygeon* are as follows:

- Field work start Tuesday, November 16, 2021
- Field work end Thursday, November 18, 2021
- Field Supervisor Lucas Hillcoat (Tel: 226-926-7508)
- Meeting Location Both days at 9:00am at the meeting spot at <u>RaceTrac service station on Peace Road</u>, <u>west of Emily Park Road</u> (Please see map attached).

Reference Items:

Safety Training- At Enbridge, safety is our priority including the safety of our visitors. In advance of your monitoring activities or meeting with us, please review the attachment as a reminder of our safety practices (Safety Orientation and Lifesaving Rules).

PPE- Although hard hats are not legally required on most sites, Enbridge encourages best practices in safety and requests contractors, monitors, and other participants wear hard hats during the Stage Three work. It is also requested that individuals on site wear masks.

COVID-19- As of November 1st 2021, our Field Supervisors will be checking vaccination status upon arrival to the site. Please let me know directly if you foresee this being an issue or concern.

Capacity and Invoicing:

Assigned Monitor and Fee - Please provide your monitor's contact information and an estimate for this field work (if not provided already).

Invoicing Information-

Should you have capacity needs or fees associated with your participation in this project, please produce invoices for the work (email them to me). The correct billing address for invoices associated with the Bobcaygeon project is below and invoices must have the following information:

- Full Legal Enbridge Company Name: Enbridge Gas Inc.
- Project Number: 20022132 (Supply Lateral) & 20022136 (Reinforcement)
- Supplier Name and Remittance Address Your complete company name, remit-to address and current contact information (email preferred)
- Invoice Date
- Invoice Number must be unique
- Total amount due including currency
- Description of Goods or Services including all supporting documentation
- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno (cc)

Billing Address:

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Thanks in advance for your time and attention!

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Jordon MacArthur

 Cc:
 Melanie Book

Subject: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Thursday, November 11, 2021 11:33:36 AM

Attachments: 20XXX-FS-COVID19-ContractorProtocols V4.pdf
Site Visit Health Assessment Fillable Form.pdf

First Nations Visitors - Field Visits - Safety Orientation.pptx

Lifesaving Rules.pdf

Bobcaygeon Stage 2 AA - Meeting Point.png

Good morning Jordon,

I hope this note finds you well. I am just reaching out to confirm that Curve Lake First Nation will be participating in the Stage 2 archaeological field work for the proposed *Bobcaygeon Community Expansion Project* beginning next Tuesday.

The details for the Stage 2 archaeological field work for *Bobcaygeon* are as follows:

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- Field work end Thursday, November 18, 2021
- Field Supervisor Lucas Hillcoat (Tel: 226-926-7508)
- Meeting Location Both days at 9:00am at the meeting spot at <u>RaceTrac service station on Peace Road</u>, <u>west of Emily Park Road</u> (Please see map attached).

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COVID-19- As of November 1st 2021, our Field Supervisors will be checking vaccination status upon arrival to the site. Please let me know directly if you foresee this being an issue or concern.

Capacity and Invoicing:

Assigned Monitor and Fee - Please provide your monitor's contact information and an estimate for this field work (if not provided already).

Invoicing Information-

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- Description of Goods or Services including all supporting documentation
- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno (cc)

Billing Address:

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Thanks in advance for your time and attention!

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Marie-Sophie Gendron

 Cc:
 Melanie Book

Subject: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Thursday, November 11, 2021 11:33:43 AM

Attachments: 20XXX-FS-COVID19-ContractorProtocols V4.pdf
Site Visit Health Assessment Fillable Form.pdf

First Nations Visitors - Field Visits - Safety Orientation.pptx

Lifesaving Rules.pdf

Bobcaygeon Stage 2 AA - Meeting Point.png

Good morning Marie-Sophie,

I hope this note finds you well. I am just reaching out to confirm that the Huron Wendat will be participating in the Stage 2 archaeological field work for the proposed *Bobcaygeon Community Expansion Project* beginning next Tuesday.

The details for the Stage 2 archaeological field work for *Bobcaygeon* are as follows:

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Capacity and Invoicing:

Assigned Monitor and Fee - Please provide your monitor's contact information and an estimate for this field work (if not provided already).

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- Total amount due including currency
- Description of Goods or Services including all supporting documentation
- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno (cc)

Billing Address:

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Thanks in advance for your time and attention!

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Consultation

 Cc:
 Melanie Book

Subject: RE: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Friday, November 12, 2021 8:31:33 AM

Good morning Waverly,

Thanks very much indicating Scugog's availability for the Stage 2 AA for the proposed *Bobcaygeon Community Expansion Project*. Enbridge looks forward to welcoming monitors from Scugog when they are ready. In the meantime, I will surely keep you up-to-date on the activities related to the Stage 2 AA at *Bobcaygeon*.

Looking forward to receiving Scugog's budgets as well.

Have a great weekend and talk again soon,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Consultation <consultation@scugogfirstnation.com>

Sent: Thursday, November 11, 2021 3:45 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: [External] RE: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion

Project

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This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Matthew,

Thank you for reaching out. Unfortunately, Scugog is currently unable to dispatch field monitors at present, but is working to make this possible in the near future. We recommend that you reach out to the other Williams Treaties First Nations, and please keep us appraised of the results. We will be in touch shortly regarding the discussed budgets for reviews.

Kindly, Waverley

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: Thursday, November 11, 2021 11:29 AM

To: Consultation < consultation@scugogfirstnation.com >

Cc: Melanie Book < Melanie.Book@enbridge.com >

Subject: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

You don't often get email from matthew.chegahno@enbridge.com. Learn why this is important

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Waverly,

I hope this note finds you well. I am just reaching out to confirm that Scugog Island First Nation will be participating in the Stage 2 archaeological field work for the proposed *Bobcaygeon Community Expansion Project* beginning next Tuesday.

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Reference Items:

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COVID-19- As of November 1st 2021, our Field Supervisors will be checking vaccination status upon arrival to the site. Please let me know directly if you foresee this being an issue or concern.

Capacity and Invoicing:

Assigned Monitor and Fee - Please provide your monitor's contact information and an estimate for this field work (if not provided already).

Invoicing Information-

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- Invoice Date
- Invoice Number must be unique
- Total amount due including currency
- Description of Goods or Services including all supporting documentation
- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno
 (cc)

Billing Address:

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Thanks in advance for your time and attention!

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>
To: <u>Marie-Sophie Gendron</u>

Cc: <u>Melanie Book; Isabelle Lechasseur; Jean-Francois Richard</u>

Subject: RE: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Friday, November 12, 2021 12:05:09 PM

Good afternoon Marie-Sophie,

I'm sorry to hear that you do not have a monitor available to join during this fieldwork. I will surely keep you and the Nation updated on any developments as this work unfolds next week.

If you wanted to update your quote for participation, you can send to both Melanie and I.

Thanks very much and have a great weekend!

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Marie-Sophie Gendron <Marie-Sophie.Gendron@wendake.ca>

Sent: Friday, November 12, 2021 11:31 AM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Melanie Book < Melanie. Book@enbridge.com >; Isabelle Lechasseur

<lsabelle.Lechasseur@wendake.ca>; Jean-Francois Richard < Jean-Francois.Richard@wendake.ca>

Subject: [External] RE: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

CAUTION: EXTERNAL EMAIL

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Good morning Matthew,

Thank you for the update. Unfortunately, it is a busy week. We do not have a monitor available to join the team for the work. If you could send my update about the work, I would appreciate it. Also, we would like to receive a copie of the draft report to review and comment. I can send Melanie a new quote for our participation.

Best,

Marie-Sophie





NATION HURONNE-WENDAT Bureau du Nionwentsïo

Marie-Sophie Gendron, B.A.

Analyste archéologue

255, Place Chef Michel-Laveau Wendake (Qc) G0A 4V0 Téléphone : 418-843-3767

Courriel: marie-sophie.gendron@wendake.ca



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De: Matthew Chegahno < matthew.chegahno@enbridge.com >

Envoyé: 11 novembre 2021 11:29

À: Marie-Sophie Gendron < <u>Marie-Sophie.Gendron@wendake.ca</u>>

Cc: Melanie Book < Melanie. Book@enbridge.com >

Objet: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Good morning Marie-Sophie,

I hope this note finds you well. I am just reaching out to confirm that the Huron Wendat will be participating in the Stage 2 archaeological field work for the proposed *Bobcaygeon Community Expansion Project* beginning next Tuesday.

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- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno
 (cc)

Billing Address:

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Thanks in advance for your time and attention!

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>
To: <u>Marie-Sophie Gendron</u>

Cc: <u>Melanie Book</u>; <u>Isabelle Lechasseur</u>; <u>Jean-Francois Richard</u>

Subject: RE: Update + Information re: Stage 2 AA for Bobcaygeon Community Expansion Project

Date: Tuesday, November 16, 2021 3:19:24 PM

Hi there Marie-Sophie,

I'm sorry to hear that you do not have a monitor available. I will gladly provide a short summary of activities for each day of field work this week. I hope that is helpful.

Also, as soon as the draft environmental report is prepared, I will be happy to send to the Huron Wendat.

Looking forward to your revised quote for participation.

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | $\underline{\mathsf{matthew.chegahno@enbridge.com}}$

603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Jordon MacArthur

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Tuesday, Nov 16

Date: Wednesday, November 17, 2021 8:51:27 AM

Good morning Jordon,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 16, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the southernmost stretch of the work package, comprising the North portion of Peace Rd and the West portion of Centreline road. Peace Rd. was photodocumented to confirm disturbance from the existing Enbridge line.

Centreline Rd. was assessed via test pitting at 5m intervals, where possible. Undisturbed soils consisted of a sandy loam brown topsoil overlaying sandy loam yellow/orange subsoil. Where significant disturbance was encountered in test pits, intervals were increased to 10m to confirm disturbance. Disturbance was typically observed in the form of heavily mottled soils and/or heavy gravel content, likely from road work. Areas of significant disturbance (I.e. deep cut ditches/embankments extending to limit of ROW) we're photodocumented. No cultural materials were observed during today's assessment.

I hope this update is helpful and would welcome any questions you may have from it.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: Marie-Sophie Gendron; Isabelle Lechasseur; Jean-Francois Richard

Cc: Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Tuesday, Nov 16

Date: Wednesday, November 17, 2021 8:51:28 AM

Good morning Marie-Sophie,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 16, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

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Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Consultation

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Tuesday, Nov 16

Date: Wednesday, November 17, 2021 8:51:37 AM

Good morning Waverly,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 16, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

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Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Tom Cowie

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Tuesday, Nov 16

Date: Wednesday, November 17, 2021 8:51:43 AM

Good morning Tom,

I hope this note finds you well.

Per our previous email exchange of keeping you in the loop on the activities associated with the proposed *Bobcaygeon Community Expansion Project,* I wanted to send along a brief summary on the activities that were undertaken yesterday, November 16, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the southernmost stretch of the work package, comprising the North portion of Peace Rd and the West portion of Centreline road. Peace Rd. was photodocumented to confirm disturbance from the existing Enbridge line.

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Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Jordon MacArthur

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Wednesday, Nov 17

Date: Thursday, November 18, 2021 10:51:42 AM

Good morning Jordon,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 17, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the remaining portions of the work package, the last two stretches along the West side of Pigeon Lake Road (figures 1-5 to 1-7, and 1-8 in mapbook). Like yesterday, we conducted a test pit survey, where possible, at 5m intervals. Undisturbed soils continue to exhibit sandy loam topsoil (brown) overlaying a yellow/orange sandy loam subsoil. Upon encountering significantly disturbed soils, intervals were switched to 10m to confirm disturbance. In places where roadside ditches/embankments extend to the limit of the ROW, the disturbance was photodocumented. No cultural materials were observed during today's assessment.

I hope this update is helpful and would welcome any questions you may have from it.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>Marie-Sophie Gendron</u>; <u>Isabelle Lechasseur</u>; <u>Jean-Francois Richard</u>

Cc: Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Wednesday, Nov 17

Date: Thursday, November 18, 2021 10:51:49 AM

Good morning Marie-Sophie,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 17, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the remaining portions of the work package, the last two stretches along the West side of Pigeon Lake Road (figures 1-5 to 1-7, and 1-8 in mapbook). Like yesterday, we conducted a test pit survey, where possible, at 5m intervals. Undisturbed soils continue to exhibit sandy loam topsoil (brown) overlaying a yellow/orange sandy loam subsoil. Upon encountering significantly disturbed soils, intervals were switched to 10m to confirm disturbance. In places where roadside ditches/embankments extend to the limit of the ROW, the disturbance was photodocumented. No cultural materials were observed during today's assessment.

I hope this update is helpful and would welcome any questions you may have from it.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Tom Cowie

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Wednesday, Nov 17

Date: Thursday, November 18, 2021 10:52:16 AM

Good morning Tom,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 17, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the remaining portions of the work package, the last two stretches along the West side of Pigeon Lake Road (figures 1-5 to 1-7, and 1-8 in mapbook). Like yesterday, we conducted a test pit survey, where possible, at 5m intervals. Undisturbed soils continue to exhibit sandy loam topsoil (brown) overlaying a yellow/orange sandy loam subsoil. Upon encountering significantly disturbed soils, intervals were switched to 10m to confirm disturbance. In places where roadside ditches/embankments extend to the limit of the ROW, the disturbance was photodocumented. No cultural materials were observed during today's assessment.

I hope this update is helpful and would welcome any questions you may have from it.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Consultation

 Cc:
 Melanie Book

Subject: Bobcaygeon Phase 1 Stage 2 AA Fieldwork Update for Wednesday, Nov 17

Date: Thursday, November 18, 2021 10:52:20 AM

Good morning Waverly,

I hope this note finds you well.

I wanted to send along a brief summary on the activities that were undertaken yesterday, November 17, at the site for the Bobcaygeon Phase 1 Stage 2 AA. Please note that this information is coming directly from the Field Supervisor, Lucas Hillcoat.

We completed the remaining portions of the work package, the last two stretches along the West side of Pigeon Lake Road (figures 1-5 to 1-7, and 1-8 in mapbook). Like yesterday, we conducted a test pit survey, where possible, at 5m intervals. Undisturbed soils continue to exhibit sandy loam topsoil (brown) overlaying a yellow/orange sandy loam subsoil. Upon encountering significantly disturbed soils, intervals were switched to 10m to confirm disturbance. In places where roadside ditches/embankments extend to the limit of the ROW, the disturbance was photodocumented. No cultural materials were observed during today's assessment.

I hope this update is helpful and would welcome any questions you may have from it.

Take good care,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>
To: <u>Waverley Birch</u>

Cc: Don Richardson; Colleen Kennedy; Monica Sanford; Consultation; Melanie Book

Subject: RE: Review Budgets: Bobcageyon and Haldimand Shores

Date: Thursday, November 18, 2021 12:45:23 PM

Waverly,

Thanks very much for sending both of these quotes along for the *Bobcaygeon Community Expansion Project* as well as the *Haldimand Shores Community Expansion Project* – Melanie and I will review and get back to you soon. As for the Ajax budget – Yes, please prepare another quote for the review of that work as well.

Chi-miigwetch for your help so far.

Talk soon,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Waverley Birch <wbirch@ibabraiding.com> Sent: Thursday, November 18, 2021 12:32 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Don Richardson <don@ibabraiding.com>; Colleen Kennedy <ckennedy@scugogfirstnation.com>; Monica Sanford <msanford@scugogfirstnation.com>; Consultation

<consultation@scugogfirstnation.com>

Subject: [External] Review Budgets: Bobcageyon and Haldimand Shores

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Matthew,

I hope you are well. I am pleased to have approval from the Mississaugas of Scugog Island First Nation (MSIFN) Chief & Council to forward the attached budgets for your consideration. These will facilitate review of the Enbridge Bobcaygeon and Haldimand Shores projects with and on behalf of MSIFN.

We are also wondering if a modest review budget might be possible for the Ajax Reinforcement **Project?** We will have to bring on a consulting archeologist and will not be able to meet your requested due date but have Chief & Council approval to move this forward in short order.

We look forward to moving forward with this work to ensure that MSIFN's rights and interests are represented in this process.

Kindly, Waverley

--

Waverley Birch (she/her) MES, RPP, MCIP

Regulatory Specialist IBA Braiding Ltd.

Cell: 705-500-0926

http://secure-web.cisco.com/1tfo951789iZgtt4x0UrVHWoaT8fY-IMs5kYiVdTslzP_ZcilBfR0sZVAZQyE9HWme-PuPgsCWK_tnfltGxGpnoGbWbU-76xMW9xBmf5FiHYdSV5OeAEZXTTMC5tlsoYGFBSNlns-Wc0b5rEBvVV8qu0rgSkiB-xFy2Asarkytjp2L0lrm0hwDl5xdocma4bj1DjzkZtrvg-DC2ESnxS1_lpAYn9mtl3kwabXl8gleCSgwYCGtzJ4zKtOS1ul-GULOp3lwfRrNPrDm0nzsSWYzVCCheJu8XzZEFN5h-

0zY2VWjqKBAJKevzPig5lbCGv_t7TQ39_IT1zmXTOH6pDy4Q/http%3A%2F%2Fwww.ibabraiding.com

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From: <u>Matthew Chegahno</u>
To: <u>Waverley Birch</u>

Cc: <u>Don Richardson; Colleen Kennedy; Monica Sanford; Consultation; Melanie Book</u>

Subject: RE: Review Budgets: Bobcageyon and Haldimand Shores

Date: Friday, November 19, 2021 10:46:47 AM

Good morning Waverly,

I'm happy to report that Enbridge <u>approves</u> these two budgets for both the proposed <u>Bobcaygeon</u> Community Expansion Project as well as the proposed <u>Haldimand Shores Community Expansion</u> Project.

As we move forward together, I invite you to submit to me the invoices for these expenses as the work occurs. Please find below the billing information for both *Bobcaygeon* and *Haldimand Shores*.

Bobcaygeon Community Expansion Project:

Invoices must have the following information:

- Full Legal Enbridge Company Name: Enbridge Gas Inc.
- Project Number: 20022132 (Supply Lateral) & 20022136 (Reinforcement)
- Supplier Name and Remittance Address Your complete company name, remit-to address and current contact information (email preferred)
- Invoice Date
- Invoice Number must be unique
- Total amount due including currency
- Description of Goods or Services including all supporting documentation
- Enbridge Invoicing Contact Name Ashley Crites (Project Manager) and Matthew Chegahno (cc)

Billing Address

Ashley Crites (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Bobcaygeon Community Expansion Project (Project #20022132 / 20022136)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Haldimand Shores Community Expansion Project

Invoices must have the following information:

- Full Legal Enbridge Company Name: Enbridge Gas Inc.
- Project Number: 26-21-301-3532
- Supplier Name and Remittance Address Your complete company name, remit-to address and current contact information (email preferred)
- Invoice Date
- Invoice Number must be unique
- Total amount due including currency
- Description of Goods or Services including all supporting documentation

 Enbridge Invoicing Contact Name – Liane Seguin (Project Manager) and Matthew Chegahno (cc)

Billing Address

Liane Seguin (Project Manager)

Enbridge Gas Inc.

101 Honda Blvd, Markham, Ontario L6C 0M6

Attn: Haldimand Shores Community Expansion Project (Project #26-21-301-3532)

CC: Matthew Chegahno (Advisor, Community & Indigenous Engagement)

Please let me know if you have any questions regarding the invoicing process as I would be happy to provide clarification as needed. I will also continue to await the budget for the proposed Ajax Reinforcement Project.

Thanks again for preparing these budgets and looking forward to working with you on behalf of the Mississaugas of Scugog Island First Nation.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Waverley Birch <wbirch@ibabraiding.com> Sent: Thursday, November 18, 2021 12:32 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Don Richardson <don@ibabraiding.com>; Colleen Kennedy <ckennedy@scugogfirstnation.com>;

Monica Sanford <msanford@scugogfirstnation.com>; Consultation

<consultation@scugogfirstnation.com>

Subject: [External] Review Budgets: Bobcageyon and Haldimand Shores

CAUTION: EXTERNAL EMAIL

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We look forward to moving forward with this work to ensure that MSIFN's rights and interests are represented in this process.

Kindly, Waverley

--

Waverley Birch (she/her) MES, RPP, MCIP

Regulatory Specialist IBA Braiding Ltd.

Cell: 705-500-0926

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OzY2VWigKBAJKevzPig5lbCGv t7TQ39 IT1zmXTOH6pDv4Q/http%3A%2F%2Fwww.ibabraiding.com

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 From:
 Matthew Chegahno

 To:
 Jordon MacArthur

 Cc:
 Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

Date: Monday, November 22, 2021 11:53:01 AM

Hi there Jordon,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Per the Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of the day.

I have included a link below to a sample of photos that were taken over the duration of the two-day AA fieldwork – Please note that photos 8003-8033 are from Tuesday, November 16 and photos 8054-8074 are from Wednesday, November 17.

Login Information

Browser link: https://tmpsftp.stantec.com

FTP Client Hostname: tmpsftp.stantec.com Port: 22 (can be used within an FTP client to view and

transfer files and folders; e.g., FileZilla)

Login name: \$1206074634 Password: 4802884 Disk Quota: 5GB Expiry Date: 12/6/2021

If you have any questions, please do not hesitate to respond back to me and I will work to make sure you get the appropriate answer(s).

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: Marie-Sophie Gendron; Isabelle Lechasseur; Jean-Francois Richard

Cc: Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

Date: Monday, November 22, 2021 11:53:41 AM

Hi there Marie-Sophie,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Per the Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of the day.

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Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Consultation

 Cc:
 Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

Date: Monday, November 22, 2021 11:53:49 AM

Hi there Waverly,

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Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Tom Cowie

 Cc:
 Melanie Book

Subject: Final Update for Bobcaygeon Phase 1 Stage 2 AA Fieldwork + Link for Picture Download

Date: Monday, November 22, 2021 11:54:09 AM

Hi there Tom,

I hope this note finds you well at the start of what will hopefully be a great week.

I wanted to provide a final update for the Bobcaygeon Phase 1 Stage 2 AA field work which was completed last week. Per the Field Supervisor, Lucas Hillcoat, activities at the site were concluded on Wednesday, November 17 by the end of the day.

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Expiry Date: 12/6/2021

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Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

To: Colleen Kennedy; Monica Sanford; kbent@scugogfirstnation.com; Consultation

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:24:37 PM

Good evening Colleen,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Mississaugas of Scugog Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>Julie Kapyrka</u>; <u>Francis M. Chua</u>; <u>Kaitlin Hill</u>; <u>Jordon MacArthur</u>

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:25:17 PM

Good evening Dr. Julie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Curve Lake First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

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Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Dave Simpson

 Cc:
 Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:25:20 PM

Good evening Dave,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Alderville First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

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Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Tom Cowie

 Cc:
 Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:25:29 PM

Good evening Tom,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Hiawatha First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

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Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com;

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:25:45 PM

Good evening Chief Big Canoe,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Georgina Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

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www.enbridgegas.com/bobcaygeonproject

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Chi-miigwetch in advance for your time and attention on this matter.

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Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>shardayj@ramafirstnation.ca</u>; <u>consultation@ramafirstnation.ca</u>

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:26:00 PM

Good evening Sharday,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Rama First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

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Chi-miigwetch in advance for your time and attention on this matter.

Matt

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Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

To: consultations@chimnissing.ca; <a href="mailto:consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consultations.consulta

fnadmin@chimnissing.ca

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:26:20 PM

Good evening Susan,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Beausoleil First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

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Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>kawarthanishnawbecouncil@outlook.com</u>

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:26:25 PM

Good evening Chief Nahrhang,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Kawartha Nishnawbe to provide their thoughtful review, comments, and shared knowledge on the draft ER.

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Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

To: <u>Marie-Sophie Gendron</u>; <u>Isabelle Lechasseur</u>; <u>Jean-Francois Richard</u>

Cc: Melanie Book

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Friday, December 3, 2021 6:31:05 PM

Good evening Marie-Sophie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Huron Wendat Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

*Please note that I understand the Huron Wendat Nation's interests on projects often only extend to archaeological work. In this particular case, the draft ER contains within it each of the Draft Stage 1

AA Reports for each of the four phases of this proposed project. I wanted to ensure that the Nation had a fair opportunity to review those Stage 1 AA Reports as well.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

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Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

 From:
 Matthew Chegahno

 To:
 Francis M. Chua

 Cc:
 Melanie Book

Subject: Thanks for meeting on Thurs, Dec 2
Date: Thursday, December 9, 2021 10:45:12 AM

Hi Francis,

I just wanted to say a big thanks for the meeting last week. It was good to see you again and great to conduct my first meeting as an Advisor among friendly faces.

I just wanted to recap what we spoke about and highlight and specific deliverables from our discussion:

Highlights:

Ongoing Project Updates:

- Haldimand Shores Community Expansion Project:
 - ENB to provide CLFN draft Environmental Report (ER) in early December 2021
 - CLFN provided feedback to ENB on draft Stage 1 AA in November 2021
- Bobcaygeon Community Expansion Project:
 - ENB provided CLFN with daily updates and photos for Phase 1 Stage 2 AA fieldwork in October 2021
 - ENB provided draft ER to CLFN on Friday, December 3, 2021 with request to return comments by no later than January 17, 2022.
- Ajax Reinforcement Project:
 - ENB provided CLFN with draft Stage 3 AA Report in Oct 2021 and CLFN agreed with proposed recommendations.
- Almonte Reinforcement Project:
 - CLFN will be invited to participate in Stage 4 AA field work in Spring 2022 and will be provided draft Stage 4 AA Report in Spring 2022.

Upcoming Project Updates:

- Selwyn Community Expansion Project:
 - ENB to provide CLFN with Project Notification letter in December 2021.
 - Stage 1 AA desktop review is ongoing CLFN will be provided with draft Stage 1 AA Report for review and comment once complete.
- Eganville Community Expansion Project:
 - ENB to provide CLFN with Project Notification letter in January 2022.
- Kingston Reinforcement Project:
 - Proposed project to be reinitiated in early 2022.

Community Investment:

- CLFN to potentially build a grant application around the re-seeding program.
- ENB to notify CLFN when portal re-opens for 2022.
- CLFN able to fund Heritage & Archaeological Training Program in part due to ENB funds.

Supply Chain Management – Indigenous Engagement:

- Francis to meet with Economic Development Officer at CLFN in the coming weeks.
- ENB and CLFN to reconvene on the challenges and opportunities associated with supply chain participation in 2022.

I hope I've captured most of what we discussed last Thursday, Francis. Please feel free to supplement this with any notes you have and see fit.

Looking forward to the next time we're able to connect.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: <u>Julie Kapyrka</u>; <u>Francis M. Chua</u>; <u>Kaitlin Hill</u>; <u>Jordon MacArthur</u>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:24:12 AM

Good morning Dr. Julie,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

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Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:25 PM

To: Julie Kapyrka <JulieK@curvelake.ca>; Francis M. Chua <francis@francischua.com>; Kaitlin Hill <KaitlinH@curvelake.ca>; Jordon MacArthur <JordonM@curvelake.ca>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good evening Dr. Julie,

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season.

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Public Affairs, Communications & Sustainability

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CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno To: **Dave Simpson**

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:24:54 AM

Good morning Dave,

I hope this email finds you well after what I hope was a very restful holiday break.

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As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:25 PM

To: Dave Simpson <consultation@alderville.ca> Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Dave,

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Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno To: Tom Cowie

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:25:23 AM

Good morning Tom,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the Bobcaygeon Community Expansion Project. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022.*

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Chi-miigwetch,

Matthew

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Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:25 PM To: 'Tom Cowie' <tcowie@hiawathafn.ca>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Tom,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

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Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: Chief Donna Big Canoe; Sylvia McCue

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Thursday, January 6, 2022 9:25:53 AM Date:

Good morning Chief Big Canoe,

I hope this email finds you well after what I hope was a very restful holiday break.

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Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM

To: donna.bigcanoe@georginaisland.com; sylvia.mccue@georginaisland.com

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Chief Big Canoe,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Georgina Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: shardayj@ramafirstnation.ca; consultation@ramafirstnation.ca;

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:26:53 AM

Good morning Sharday,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM

To: shardayi@ramafirstnation.ca; consultation@ramafirstnation.ca

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Sharday,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Rama First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca;

fnadmin@chimnissing.ca

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:27:56 AM

Good morning Susan,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM

To: consultations@chimnissing.ca; council@chimnissing.ca; executiveassistant@chimnissing.ca;

fnadmin@chimnissing.ca

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Susan,

I hope this message finds you well and that things aren't too busy as we approach the holiday

season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Beausoleil First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: Matthew Chegahno

To: kawarthanishnawbecouncil@outlook.com

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Thursday, January 6, 2022 9:29:01 AM Date:

Good morning Chief Nahrhang,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the Bobcaygeon Community Expansion Project. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022.*

Please use the accompanying link to access the draft ER: <u>www.enbridgegas.com/bobcaygeonproject</u>

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM

To: 'kawarthanishnawbecouncil@outlook.com' <kawarthanishnawbecouncil@outlook.com>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Chief Nahrhang,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Kawartha Nishnawbe to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: <u>Marie-Sophie Gendron</u>; <u>Isabelle Lechasseur</u>; <u>Jean-Francois Richard</u>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:30:31 AM

Good morning Marie-Sophie,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

*Again, please note that I understand the Huron Wendat Nation's interests on projects often only extend to archaeological work. In this particular case, the draft ER contains within it each of the Draft Stage 1 AA Reports for each of the four phases of this proposed project. I wanted to ensure that the Nation had a fair opportunity to review those Stage 1 AA Reports as well.

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:31 PM

To: Marie-Sophie Gendron <Marie-Sophie.Gendron@wendake.ca>; Isabelle Lechasseur <Isabelle.Lechasseur@wendake.ca>; Jean-Francois Richard <Jean-Francois.Richard@wendake.ca>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Marie-Sophie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Huron Wendat Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

*Please note that I understand the Huron Wendat Nation's interests on projects often only extend to archaeological work. In this particular case, the draft ER contains within it each of the Draft Stage 1

AA Reports for each of the four phases of this proposed project. I wanted to ensure that the Nation had a fair opportunity to review those Stage 1 AA Reports as well.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>

To: Colleen Kennedy; Monica Sanford; kbent@scuqoqfirstnation.com; Consultation

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:31:48 AM

Good morning Colleen,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:24 PM

To: Colleen Kennedy < ckennedy@scugogfirstnation.com>; Monica Sanford < msanford@scugogfirstnation.com>; kbent@scugogfirstnation.com; Consultation < consultation@scugogfirstnation.com>

Cc: Melanie Book < Melanie. Book@enbridge.com>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Colleen,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Mississaugas of Scugog Island First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>
To: <u>Tom Cowie</u>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Thursday, January 6, 2022 9:37:47 AM

Aahnii Tom,

Thanks very much for letting me know. Look forward to staying in touch as this project continues on.

Chi-miigwetch,

Matthew

From: Tom Cowie <tcowie@hiawathafn.ca> Sent: Thursday, January 6, 2022 9:36 AM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft

Environmental Report Review

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Aaniin Matthew,

I have no questions or concerns regarding this draft environmental report.

Mno nendam ghiizhigad,

Tom Cowie Lands/Resources Consultation

Hiawatha First Nation 431 Hiawatha Line Hiawatha, ON K9J 0E6 705-295-3156 705-295-7177 (fax) tcowie@hiawathafn.ca

"We, the Mississaugi of Hiawatha First Nation, are a vibrant, proud, independent and healthy people balanced in the richness of our Culture and Traditional way of life"

Wisdom/Nbwaakaawin Love/Zaagidiwin Respect/Mnaadendamowin Bravery/Aakdehewin Honesty/Gwekwaaziwin Humility/Dbadendizwin Truth/Debwewin

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: Thursday, January 6, 2022 9:25 AM **To:** Tom Cowie <<u>tcowie@hiawathafn.ca</u>>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental

Report Review

Good morning Tom,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:25 PM **To:** 'Tom Cowie' < tcowie@hiawathafn.ca>

Cc: Melanie Book < Melanie.Book@enbridge.com >

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Tom,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Hiawatha First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

nity Expansion Project Draft Environmental Report Revi

I wanted to follow up on the status of Curve Lake's review of the draft ER for the proposed Bobcaygeon Community Expansion Project. As you'll know, we've asked that feedback be submitted no later than EOD today. I just wanted to confirm that Curve Lake is still able to meet that deadline

Chi-mijgwetch

Matthew Chegahno (he/him) Advisor, Community & Indigenous Engr

Public Affairs, Communications & Sustainab

Safety, Integrity, Respect, Inclusion

From: Matthew Chegahno

Sent: Thursday, January 6, 2022 2:26 PM

To: Julie Kapyrka <JulieK@curvelake.ca>; Francis M. Chua <francis@francischua.com>; Kaitlin Hill <KaitlinH@curvelake.ca>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

My sincere apologies. You're right, the ER is certainly hidden well within that link. I hope these instructions help.

- 1. Open this link; www.enbridgegas.com/bobcaygeonproject
- 2. Coper into inition, <u>www.entoinueres.com/consonares/initions.com</u>
 2. Scroll/2/3706 of the way down the page to where you will see "Project Information" on the left hand side.

 3. Underneath "Project Information" on the left, please click. "Regulatory Information". After you click "Regulatory Information", your screen should look like the photo attached.

 5. The ER should begin to download in an alternate tab on your web browser.

Admittedly, I'm not much of a tech whiz, so please let me know if these instructions aren't successful for you and we will find an alternate solution

Matthew

Matthew Chegahno (he/him) Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

Safety. Integrity. Respect. Inclusion

From: Julie Kapyrka <JulieK@curvelake

From . nike Rapyina \(\text{\text{micross}} \)

Sent: Thursday, January \(\)

To: Matthew Chegahno \(\text{\text{matthew.chegahno@enbridge.com} \); Francis M. Chua \(\text{\text{francis@francischua.com} \); Kaitlin Hill \(\text{\text{\text{KaitlinH@curvelake.ca}} \)

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious en

Aaniin Matthew,

I cannot seem to find the ER. Can you please send it directly to me, or a direct link to it?

Kind regards,



Dr. Julie Kapyrka
Lands & Resources Consultation Liaison
Curve Lake First Nation Government Services Building
22 Winookeeda Road, Curve Lake, ON KOL 1RO
P. 705.657.8065 ext. 239 F. 705.657.8065 ext. 239 F. 705.657.8068
W: http://secure-web.cisco.com/1680zccKn32] comes6d18D07MVGM8hkbbhXF6A0noibGm_fLA85dcg2yyA9vyf9ZLQsFH4gVW: http://secure-web.cisco.com/1680zccKn32] comes6d18D07MVGM8hkbbhXF6A0noibGm_fLA85dcg2yyA9vyf9ZLQsFH4gVWi-thtp://secure-web.cisco.com/1680zccKn32] comes6d18D07MVGM8hkbbhXF6A0noibGm_fLA85dcg2yyA9vyf9ZLQsFH4gVWi-thtp://secure-web.cisc . w0αPiNI8ZbRfvDETZ0taHknDihvnMBwJkXIPkYtHpAEZo5icuXa2lA9hY7lTTuZk1Q6xvs65oufdQbFYVPDr-

From: Matthew Chegahno <<u>matthew.chegahno@enbridge.com</u>>
Sent: January 6, 2022 9:24 AM

sent: January 6, 2022-2724 RM

To: full-Kepyneks-Lay-Francis M. Chua <francis@francischua.com>; Kaitlin Hill <<u>Kaitlin H@curvelake.ca></u>; Jordon MacArthur <<u>lordon M@curvelake.ca></u>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good morning Dr. Julie.

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the Bobcoygeon Community Expansion Project. Please be reminded that we've asked that any feedback on the draft ER is submitted no later than Monday, January 17, 2022.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Public Affairs, Communications & Sustain

Safety, Integrity, Respect, Inclusion

Sent: Friday, December 3, 2021 6:25 PM

Sent: Finday, December 3, 2021 6:25 PM

To: Julie Kapyrka <a href="mailto:square-ap-reach-squa

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the

Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Curve Lake First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project by no later than January 17, 2022,

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

 $\label{thm:chi-migwetch} \mbox{Chi-migwetch in advance for your time and attention on this matter}.$

Matthew Chegahno Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.
CELL: 519-502-3570 | matthew.chegahno@enbridge.com
603 Kumpf Drive, Waterloo ON, N2J 4A4

nity Expansion Project Draft Environmental Report Review

A big chi-milgwetch to Gary and the rest of the team for the review. Looking forward to seeing the feedback.

From: Francis M. Chua <francis@francischua.com>

Sent: Monday, January 17, 2022 1:48 PM

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emi

Hi Matthew.

We appreciate the extra time. We won't need it this time. The review is complete (Gary worked on it over the weekend). We just need to do some formatting now.

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

South Monday, January 17, 2022 1:38 PM

To: Francis M. Chua francischua.com; Julie Kapyrka julie Kapyrka <a hr

Thanks very much for the prompt reply. If it would help Curve Lake complete a more robust review of the ER, please feel free to extend your review until EOD Wednesday, January 19, 2022. If you choose to do so, please just let me know and I will notify the broader project team.

I hope this is helpful.

Matthew

From: Francis M. Chua <francis@francischua.com>

From: r-aints M: Unda <u>Variatseer antisonation Consentation</u>

Sentt Monday, January 17, 2022 1:31 PM

To: Matthew Chegahno <u>Cmatthew.chegahno@enbridge.com</u>>; Julie Kapyrka < <u>JulieK@curvelake.ca</u>>; Kaitlin Hill < <u>KaitlinH@curvelake.ca</u>>
Subject: [External] Re: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

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Hi Matthew. Just responding on behalf of Julie. We will get something to you today!

From: Matthew Chegahno <u>matthew.chegahno@enbidge.com</u>>
Sent: Monday, January 17, 2022 8:50 AM
To: Julie Kapyrka <u>- LulieK@eruvelake.ca</u>>; Francis M. Chua <u>- francis@francischua.com</u>>; Kaitlin Hill <u>- KaitlinH@cuvvelake.ca</u>>
Subject: FW: Fishridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

I wanted to follow up on the status of Curve Lake's review of the draft ER for the proposed Bobcaygeon Community Expansion Project. As you'll know, we've asked that feedback be submitted no later than EOD today. I just wanted to confirm that Curve Lake is still able

Chi-miigwetch.

Public Affairs, Communications & Sustainability

Sent: Thursday, January 6, 2022 2:26 PM

To: Julie Kapyrka <<u>Juliek@curvelake.ca</u>>; Francis M. Chua <<u>francis@francischua.com</u>>; Kaitlin Hill <<u>KaitlinH@curvelake.ca</u>>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

My sincere apologies. You're right, the ER is certainly hidden well within that link. I hope these instructions help.

- 1. Open this link: www.enbridgegas.com/
- 2. Scroll 2/3rds of the way down the page to where you will see "Project Information" on the left hand side.
 3. Underneath "Project Information" on the left, please click "Regulatory Information". After you click "Regulatory Information", your screen should look like the photo attached.
 4. Click "Read the Environmental Report here" as highlighted in yellow on the photo attached.
 5. The ER should begin to download in an alternate tab on your web browser.

Admittedly, I'm not much of a tech whiz, so please let me know if these instructions aren't successful for you and we will find an alternate solution.

Public Affairs, Communications & Sustainab

Safety, Integrity, Respect, Inclusion

From: Julie Kapyrka < Julie K@

Sent: Thursday, Sanuary 6, 2022.2:13 PM

To: Matthew Chegahno matthew.chegahno@enbridge.com; Francis M. Chua francis@francischua.com; Kaitlin Hill Matthew.chegahno@enbridge.com; Francis M. Chua francis@francischua.com; Kaitlin Hill Matthew.chegahno@enbridge.com; Francis M. Chua francis@francischua.com; Kaitlin Hill Matthew.chegahno@enbridge.com; Francis M. Chua francis@francischua.com; Kaitlin Hill francis@francischua.com; Francis M. Chua francis@francischua.com; Kaitlin Hill francis@francischua.com; Kaitlin Hill francis@francischua.com; Kaitlin Hill francis@francischua

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I cannot seem to find the ER. Can you please send it directly to me, or a direct link to it?

Miigwech.

Kind regards



Dr. Julie Kapyrka Lands & Resources Consultation Liaison Curve Lake First Nation Government Services Building 22 Winookeeda Road, Curve Lake, ON KOL 1RO P: 705.657.8045 ext. 239 F: 705.657.8708

P: 703-657-8049-ext. 239 F: 703-657-8709 White://fecue-web.cisco.com/1680/cct/0331Qmec6d18D07MVGM8hkbbhXF6A0noibGm_fLA85dcgZyyA9vyf9ZLOsFH4pY-WC6e6dfRiQsIGaqKaHUpiAhwyuCgcQvayW8L83tdsnNevkW55XneHF6ildfxD6voXZP8KBqtPwuXETCSulGdyb2DnofUyXZP WAI-hwxpileRfYNnio xXfnWyaIalM3W1xL8BaBrillabdAd OARS-FA N w3127-phths%3A87-\$275-ywww.cuvolabefirstnation

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I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the Bobcaygeon Community Expansion Project. Please be reminded that we've asked that any feedback on the draft ER is submitted no later than Monday, January 17, 2022.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch.

Matthew Chegahno Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC. CELL: S19-S02-3570 | matthew.chegah 603 Kumpf Drive, Waterloo ON, N2J 4A

Safety, Integrity, Respect, Inclusion.

From: Matthew Chegahno
Sent: Friday, December 3, 2021 6:25 PM
To: Jule Kapyrka <a href="Light-Representation-Processing-P

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In the link below please find a copy of the draft ER for the Project.

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project by no later than January 17, 2022.

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved

Chi-miigwetch in advance for your time and attention on this matter.

Matthew Chegahno Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainab

ENBRIDGE INC. CELL: 519-502-3570 | matthew.chegahno@en 603 Kumpf Drive, Waterloo ON, N2J 4A4

From: <u>Matthew Chegahno</u>
To: <u>Waverley Birch</u>

Cc: Don Richardson; Samantha Shrubsole; Monica Sanford; Colleen Kennedy; Consultation; Melanie Green

Subject: RE: Comments: Bobcaygeon ER

Date: Thursday, February 17, 2022 9:50:47 AM

Attachments: ENB-MSIFN Bobcaygeon ER Responses vFinal (FEB172022).pdf

Waverly,

Miigwetch again for sending us this thoughtful review of the *Bobcaygeon Community Expansion*Project Environmental Report on behalf of Mississaugas of Scugog Island First Nation. Attached you will find Enbridge's responses to each of MSIFN's comments on the ER.

Enbridge understands that consultation is an ongoing process that must be meaningful. As such, I recognize that there may be the need for subsequent conversations on these matters and would invite MSIFN to kindly indicate if that is the case. Melanie Green (cc'd) and I would be happy to engage in further discussions to better understand and include MSIFN in the *Bobcaygeon Community Expansion Project*.

Chi-miigwetch,

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

_

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: Waverley Birch <wbirch@ibabraiding.com> Sent: Wednesday, January 19, 2022 12:12 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Don Richardson <don@ibabraiding.com>; Samantha Shrubsole <sam@ibabraiding.com>; Monica Sanford <msanford@scugogfirstnation.com>; Colleen Kennedy <ckennedy@scugogfirstnation.com>

Subject: [External] Comments: Bobcaygeon ER

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Hi Matthew,

Please see the attached comment set that we have prepared regarding the Bobcaygeon

expansion ER. Thank you for accommodating our schedule.

Kindly,

Waverley

--

Waverley Birch (she/her) MES, RPP, MCIP Regulatory Specialist IBA Braiding Ltd.

Cell: 705-500-0926

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Table 1: Enbridge Gas's (Enbridge) Responses to Mississaugas of Scugog Island First Nation (MSIFN) Comments			
Reference	Text from ER	Comment	Enbridge Response
Section 1.1	50 kilometers (km) of a combination of 6-inch and 8-inch steel and plastic natural gas pipeline.	There is an opportunity to design this pipeline such that it can transport alternative fuels like hydrogen and/or blends of hydrogen and natural gas in the near-term, rather than needing to retrofit the line to make this feasible. Given the profoundly serious impacts of climate change on all aspects of the environment, this is a consideration that should be outlined in the present report. Enbridge should comment on measures that will be taken to ensure pipeline integrity during alternative fuel transport and blending.	 Ontario is increasingly focused on moving to lower-carbon energy sources and we share that goal. Natural gas plays a critical role in Ontario's energy transition, and complements the growth of renewable, and low-carbon solutions. Enbridge is supporting the transition to a low-carbon economy through innovative energy solutions and collaboration with governments and partners to keep energy affordable, reliable, and reduce environmental impact. Safety is an Enbridge value and it's an inherent component of what we do in ensuring the highest level of system integrity, public safety, the safety of our workforce and the energy system itself. Safety begins at the concept stage, and where possible is engineered into all our systems. Our workforce, inclusive of our contractors, is continuously trained and up to date on the latest safety related processes and procedures to ensure the highest level of system safety. Along with all our proactive pipeline integrity programs Enbridge undertakes, the Company continues to engage with the community, first responders, and all



Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements	Following determination of final crossing method a fish habitat impact screening (self-assessment) may be needed to determine if DFO review/authorization will be required.	Per the June 21st (2019) updates to the Fisheries Act, the "Self-Assessment" process is no longer in place. Does this statement refer to a review of the "Measures to Protect Fish and Fish Habitat"? It should be outlined how each of these measures will be met. Since there is no standard and code of practice for pipeline water crossings, DFO review should be requested if each of the above measures cannot be met.	authorities having jurisdiction over safety-related issues. • All new proposed pipeline(s) will be designed to accommodate the maximum blend amount possible for that portion of pipeline. This may be 20% or higher depending on the manufacturing characteristics of the steel pipeline produced. If the new proposed pipeline is plastic (polyethylene or PE), it may be possible to accommodate up to 100% hydrogen. Enbridge acknowledges this comment and commits to updating the Environmental Report ("ER") to reflect this. Mitigation and protective measures will be implemented according to DFO's "Measures to Protect Fish and Fish Habitat" where applicable. For crossings and activities not specifically covered by these measures, DFO review may be required, or DFO-Enbridge agreements on standard sediment control plans for crossing alternatives may be used in lieu of DFO review.
Table 1.1 –	The proposed method for pipeline	Horizontal directional drilling	HDD is an industry best practice as a crossing
Summary of	water crossings (i.e. horizontal	(HDD) presents a risk of drilling	method in which there is no disturbance to
Potential	directional drilling) will likely not	fluid release into waterways,	the bed and banks of a waterbody because the
Environmental	require authorization provided	wetlands, and waterbodies. To	pipeline is installed beneath a sensitive
Permit and	measures to avoid causing a HADD	follow the above noted DFO	feature without in-water works (e.g., dam and
Approval	of fish habitat are followed during	Measures to Protect Fish and Fish	pump) and without an open trench, thereby
Requirements	construction. These measures	Habitat, more detailed mitigation	minimizing surface disturbances such as
	include completing the work during	planning is needed. Given the	clearing. Watercourse crossing methods will
	the appropriate timing window	sensitivity of aquatic features in	be confirmed during detailed design and



(Ministry of Northern Development, Mines, Natural Resources and Forestry [MNDMNRF] formerly the Ministry of Natural Resources and Forestry [MNRF] designated construction windows note that Inwater work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings), installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas and development of a contingency plan). If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat and can proceed without DFO review.

the Bobcaygeon area and the importance of these features to First Nations, this is of particular interest. More detailed mitigation should outline the specific timing of HDD in relation to fish life cycle events, following both DFO guidance and Indigenous knowledge from Williams Treaty First Nations (WTFNs). Further comments on HDD

permitting, however, it is worth noting that HDD is Enbridge's preferred method for watercourse crossings.

HDD is accepted by the Department of Fisheries and Oceans (DFO) as it avoids inwater work. DFO states that "this method is preferable to open-cut and isolated crossings since the cable or pipeline is drilled underneath the watercourse with very little disturbance to the bed or banks." (DFO, High Pressure Directional Drilling, 2007).

The Ministry of Northern Development, Mines, Natural Resources and Forestry (NDMNRF) designated construction timing windows will be followed. These timing windows note that in-water work is permitted from July 1 to March 14 for warm water crossings and from July 1 to September 15 for cold water crossings (noted in Table 1.1 of the ER).

Additional mitigation and protective measures for aquatic species and habitat are noted in Table 5.1 under the "Aquatic Species and Habitat (Section 3.3.1)" row.

A Contingency Plan for inadvertent releases of drilling fluid is noted in Section 7.2.1 of the ER.

Enbridge is also completing a geotechnical/hydrogeology program to inform the HDD design.



Table 1.1	Environment and Climate Change Canada does not require a permit to be issued for vegetation clearing, however, precautions need to be taken so that no breeding birds or their nests are harmed or destroyed during the bird nesting season as a result of construction of the Project.	Vegetation clearing timing should also take into account the potential impacts on Species at Risk bats. Clearing should occur outside of bat roosting windows, and maternity roost (snag) surveys should be completed to ensure that bat habitat is adequately accounted for.	Enbridge acknowledges the comment regarding vegetation clearing. As noted in Table 5.1 of the ER under the "Wildlife, Wildlife Habitat, and Species at Risk (Section 3.3.3)" row the following mitigation and protective measures relating to bats will be implemented: • Areas of potential bat maternity roosting habitat will be identified during field investigations. • Tree removal in identified areas should be limited to the extent possible and will avoid the active season for bats (mid-April to mid-September). • If tree removal is required, mitigation recommendations for SAR bats will be prepared upon consultation with MECP. At this time, tree removal is not anticipated, however, if required, additional field investigations including a tree inventory and bat surveys would be completed, MSIFN will be invited to participate in these activities, if desired.
Section 3.2.3	The Trent assessment report indicates that high groundwater vulnerability is primarily mapped within the northern portion of the proposed pipeline, from Bobcaygeon to about Lakeview Estates. Medium to high	The entire length of the pipeline is medium-to-high groundwater vulnerability. The MECP Water Well Records show that the average depth of the shallow wells within 500m of the pipeline are only 2.4 m below ground surface.	Enbridge's standard construction depth of cover will be followed (i.e., 0.9-1.2m depth and minimum 2.0 – 2.5m under watercourses to prevent erosion and exposure the natural gas pipeline).



	groundwater vulnerability is mapped moving southward toward Highway 7. The southern extent of the proposed pipeline ranges from high to low vulnerability. Of the shallow wells with static water level records, the average water level of the shallow overburden and bedrock wells was 2.4 m and 2.3 m BGS, respectively (MECP 2018).	This is concerning given the plans to drill and potentially blast to create trenches for the pipeline. More detailed mitigation measures for the protection of groundwater should be outlined in the report.	Mitigation and protective measures for groundwater resources are noted in Table 5.1 of the ER under the "Groundwater (Section 3.2.3)" row. This includes, but is not limited to, applying for a Permit to Take Water (PTTW) or approval under the Environmental Activity Sector Registry (EASR), if deemed required and implementing a private water well monitoring program. Enbridge is completing a geotechnical/hydrogeology program to inform the HDD design and water taking requirements. Based on the results of the hydrogeological program, a PTTW or EASR may be obtained. Prior to implementing blasting, other methods of construction will be investigated first (i.e., hoe-ram). Blasting will only be used if
Section 3.2.5	A mosaic of soil types are present within the Study Area, but the predominant types are Cramahe gravel (a calcareous gravel) and Otonabee loam (calcareous loam and sandy loam till). The region is rolling to steep and hilly, in some places, and the drainage capabilities are good to excessive.	The study area is predominantly gravel soil which has a high permeability, furthering concerns about the safety of groundwater in the area. As per the above comment, the report should outline how Enbridge plans to ensure the safety of local groundwater.	necessary. Enbridge acknowledges the information provided by MSIFN. Mitigation and protective measures for groundwater resources are noted in Table 5.1 under the "Groundwater (Section 3.2.3)" row. See comment above.
Section 3 .3.1.2	The MNDMNRF's digital mapping (LIO 2017, 2021) indicates that there are seven subwatersheds	There are 7 sub-watersheds within the area, one of which, East Cross Creek, flows into the Scugog River.	NDMNRF and the Conservation Authorities have available fish data that were reviewed in conjunction with other online data sources



within the Study Area, including the The majority of Aquatic Habitat during the preparation of the ER. The data Bobcaygeon River, the Pigeon River, Assessments were conducted via permitted identification of the thermal regime Pigeon Lake, Emily Creek (which desktop review, and field for each watercourse and an assessment of flows to Sturgeon Lake), Chemong investigations haven't been sensitivity to guide mitigation Lake, Jackson Creek (which flows to conducted since 2017. recommendations. the Otonabee River) and East Cross We recommend that as much up-Given the sensitive nature of the local Creek (which flows to the Scugog to-date information as possible be River). collected for Aquatic Habitat fisheries, no in-water work is proposed at any Site investigations were conducted Assessments to ensure that of the pipeline crossings of watercourses. The proposed method for pipeline water crossings on June 20 and 21, 2017 at the mitigation measures for aquatic proposed crossing locations to species are informed by adequate (i.e., horizontal directional drilling) allows for confirm the presence of mapped installation of the pipe beneath the data. watercourses and identify the watercourse without the requirement for potential for additional disturbance of the watercourse channel. watercourse crossings that were Mitigation measures will also be applied at not identified during background various crossing locations to further reduce data review. the risk of impact. These measures include completing the work during the appropriate timing window, installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas) and development of a contingency plan. If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat. Section 3 .3.4.5 Based on a review of background 20 threatened and endangered Enbridge completes post-construction information and consultation with monitoring at 3- and 15-month intervals, terrestrial species have ranges the MECP (email received October that overlap the Study Area, which is a typical condition of an Ontario Energy Board (OEB) approval of a project of 25, 2021), 20 threatened and including 2 species of reptile, 11 endangered species have ranges species of breeding birds, 3 this scale and scope. An outcome of this monitoring would be to document any issues



	that overlap the Study Area,	species of mammal, 2 species of	identified with respect to invasive species and
	including 2 species of reptile, 11	invertebrates and 2 species of	provide solutions to address the issues.
	species of breeding birds, 3 species	plants.	·
	of mammal, 2 species of		Enbridge also has standard mitigation for
	invertebrates and 2 species of	Linear infrastructure can have	invasive species during construction which
	plants as shown in Table 3.6.	significant negative impacts on	includes:
		wildlife. However, it is possible	- Equipment shall be inspected and
		that they may use cleared	cleaned of soils and plants prior to
		corridors for movement, and	leaving the depot, moving within, or
		these corridors can also act as	leaving any work site to prevent the
		conduits for invasive plant	spread of invasive species
		movement. It is important that	- Cleaning equipment of soils and plants
		Enbridge consider the potential	must involve the following (whether
		corridor effects of this linear	cleaning at a depot or on a work site):
		infrastructure and propose	- When possible, clean equipment on
		mitigation measures like careful	nearby hard surfaces such as gravel,
		invasive species management.	concrete, or asphalt.
			- Choose an area with a gentle slope to
			direct water and material away from
			- the equipment.
			- Do not clean equipment within 30
			meters of a watercourse, storm sewer,
			or other drains.
			- Use shovels, compressed air, pressure
			washers, etc. to remove dirt, debris,
			and plants.
			- Ensure you clean hard-to-reach places
			including the underside of a vehicle,
			mud flaps, bumpers, and foot wells.
			- Clean inside a vehicle by sweeping or
			using compressed air.
3.4.5 Landfills	Information gathered during the	It should be noted that the	Mitigation and protective measures related to
and	site visit in 2017 indicates that	pipeline route represents a	soils are noted in Table 5.1 under the
	there are no potential sources of	preferential pathway for surface	"Landfills and Contaminated Sites (Section



Contaminated Sites

contamination within the Study Area with the exception of four gasoline stations located in the Study Area:

- County Road 36 and Mill St in Bobcaygeon;
- County Road 36 and Main Street in Bobcaygeon;
- Marina St. and Peace Road in Omemee; and,
- Highway 7 near the intersection with Emily Park Road.
 No other information pertaining to potential sources of contamination were readily available.

Hazardous Waste:

A review of the MECP Hazardous Waste database (MECP, 2017b) identified four hazardous waste locations within the Study Area. These locations are noted in Appendix C, Figure C1.

Landfills:

The locations of active and former landfill sites in the Study Area are shown in Appendix C, Figure C-1 and were identified by reviewing Official Plan maps, MECP's Waste Disposal Sites – Historical Approval Inventory (1991), and MECP's

water movement postconstruction. This presents concern since there are contaminated sites in the vicinity of the proposed pipeline (e.g., gasoline stations, landfills) and gravel soils are dominant in the study area. Specific analysis and discussion of the potential for surface and groundwater transport of contaminants should be included in the ER. 3.4.5)". Should contaminated soils be encountered during construction, Enbridge will implement their Suspect Soils Program.

Enbridge will be completing additional studies along the Project route including identifying areas of Potentially Contaminating Activities (PCA) and Areas of Potential Environmental Concern (APEC) and based on the results of these studies, additional mitigation measures may be developed to manage contaminated soils and/or groundwater.



Landfill Inventory Management Ontario which includes small and large landfills (MECP, 2017c). There are two active landfills and two closed landfill located within the Study Area. Contaminated Sites and Former **Industrial Sites:** The location of contaminated sites in the Study Area were identified by reviewing Official Plans maps, the MECP Brownfield's Environmental Site Registry (MECP, 2017d), the Federal Contaminated Sites Inventory accessed through the Treasury Board of Canada Secretariat's website (Treasury Board, 2017) and the MECP Waste Disposal Inventory (1991), including the Inventory for Industrial Sites Producing and Using Coal Tar and Related Tars in Ontario. Contaminated sites identified in Figure C-1 have been assessed independently and the assessment filed with the relevant governing organization. The contaminants found at any registered contaminated sites are a direct result of the previous and/or current land use



Table. 5.1- Potential Impacts and Recommended Mitigation and Protective Measures Bedrock Geology and Drift Thickness Section 3.2.1	• There is a potential to encounter cobbles and boulders in the overburden soils along the entire alignment. However, areas with shallow bedrock have a higher potential in this regard. The presence of cobbles and boulders can pose difficulties for HDD installation. Difficulties such as skipping of the bit, obstruction of the bit and pipe damage should be anticipated. For watercourse crossings, there is also the potential for hydro-fracture and blowout as well as inadvertent release of drilling fluids to watercourses during typical HDD operations. All rock formations in Southern Ontario are known to possess high in situ horizontal stresses and time dependent swelling potential. The resulting phenomenon is often referred to as "rock squeeze" and can adversely impact infrastructure installed in the rock.	HDD is noted as a likely method of water crossing throughout the report, without explanation of why this is the best method for watercourse crossings. Further explanation of the chosen method and alternatives would be beneficial. Additionally, a detailed drilling plan should be prepared and provided to WTFNs for review and comment prior to work commencing.	See comments above under "Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements." Enbridge would be pleased to have further discussions with MSIFN regarding HDDs and other crossing methods.
Table 5.1 – Potential Impacts and	Construction has the potential to affect fish through impacts on water quality (erosion,	Per the above comments, any work around watercourses should be completed in respect of fish	See comments above under "Table 1.1 – Summary of Potential Environmental Permit and Approval Requirements."
Recommended Mitigation and	sedimentation, and accidental spills) and disruption/harassment (vibration and noise). These	spawning knowledge from both regulatory agencies and WTFNs. Although it doesn't involve direct	Mitigation and protective measures pertaining to HDD methods are noted in Table 5.1 under



Protective Measures

Aquatic Species and Habitat Section 3.3.1

potential effects may occur due to construction of the pipeline.

Watercourses identified as supporting direct fish habitat are planned to be crossed using HDD methods. Therefore, no in-water work will be required. Watercourses identified as not supporting direct fish habitat may be crossed using trenched construction methods if approved by permit conditions. Setback distances for the HDD entry and exits pits should be established at least 30 m from the bankfull width of aquatic habitat. With the successful implementation of mitigation measures, HDD crossings reduce the risk of impacts on sensitive habitats and sedimentation in a watercourse and reduce disturbance to the riparian zone away from the channel. Fish passage and stream flow are also maintained. *If trenched crossings are required* at locations that support direct fish habitat, other potential impacts could include restrictions to habitat use and fish passage, changes to habitat such as altered substrate composition, increased erosion

potential, loss of in-stream cover

in-water work, HDD presents a risk to watercourses from the potential release of drilling fluid along unintended pathways. Given that the Bobcaygeon area has ecological and cultural significance, specific mitigation plans for HDD activities are recommended, and should include avoidance of sensitive fish life cycle events, emergency response, and water quality monitoring during and following the activities.

the "Aquatic Species and Habitat (Section 3.3.1)" row. These measures include following construction timing windows set out by NDMNRF and implementing Erosion and Sediment Control (ESC) measures.

As noted above, Enbridge would be pleased to have further discussions with MSIFN regarding HDDs and other crossing methods and applicable mitigation measures.



	and loss of ringrian shading		
	and loss of riparian shading.		
	Excessive sediment introduced into		
	a watercourse can adversely impact		
	fish through clogging of fish gills		
	and promoting avoidance		
	behaviour, and can impact habitat		
	through sedimentation of spawning		
	beds and alteration of habitat		
	structure. There is a potential for		
	trenched crossings to require DFO		
	review and / or permitting,		
	depending on the results of		
	applying DFO's assessment criteria		
	to determine if a project needs a		
	review. Criteria are outlined at		
	https://www.dfompo.gc.ca/pnw-		
	ppe/reviews-revues/request-		
	review-demande-d-examen-003-		
	eng.html.		
Table 5.1 –	The potential impacts on wetlands	Given the potential risks of HDD	As noted above, mitigation and protective
Potential	during construction include	fluid release to surrounding	measures will be carried out for HDD.
Impacts and	accidental contaminant release,	wetlands, the HDD activities	
Recommended	sedimentation and	should be	Mitigation and protective measures specific to
Mitigation and	turbidity from surface runoff,	planned in a manner that respects	Blanding's turtles are noted in Table 5.1 under
Protective	introduction of invasive species and	sensitive life cycle events of	the "Wildlife, Wildlife Habitat, and Species at
Measurers	temporary lowering of the water	wetland-dependent species. There	Risk (Section 3.3.4) row.
	table during trench dewatering.	are several at-risk herpetofauna	
Wetlands	Clean-up and restoration activities	species (e.g., Blanding's turtle) in	Enbridge will be consulting with the MECP
Section 3.3.3	to contain or remove contaminant	the area that rely on wetlands for	further to determine SAR survey requirements
3000.017 3.3.3	and sediment releases can cause	different life cycle events. While	and additional mitigation.
	more damage to sensitive wetland	more detailed surveys for these	and additional minibation
	ecology than the initial impact of	species should occur, they tend to	
	the release. Therefore, it is	be difficult to detect and activities	
	important to institute appropriate	should be carried out in a manner	
	important to institute appropriate	Should be carried but in a maillel	



that mitigates any potential mitigation measures to minimize interactions with adjacent impacts on them. Consideration of wetlands. life cycles is also relevant in the As construction is planned within case of mitigating the serious the previously disturbed road threat of road mortality on allowance, no adverse interactions herpetofauna, since they tend to be more active near roads during are expected to occur with wetlands along the preferred route. certain life cycle events (e.g., However, to protect these features, nesting). construction activities undertaken proximity should include the following mitigation measures. Table 5.1 -The recommendation of exclusion As noted in Table 5.1 of the ER, exclusion Turtles Potential • Blanding's Turtle records are fencing for herpetofauna is fencing will be erected on both sides of the known to occur within the Study appreciated. However, the road prior to activities occurring during the Impacts and integrity of this fencing and the active season (April 1 – September 30) in areas Recommended Area, per consultation with MECP. Shallow marshes and ponds identified as having turtles or as being high Mitigation and provision of connectivity paths are potential, such as stream/river crossings, lake Protective identified within the Study Area essential to ensuring that this Measures have the potential to provide fencing is effective. For example, shores, ponds, wetlands, dips or valleys habitat for Blanding's Turtle. design should consider the between rock outcrops, and wetted ditches Wildlife, Regulatory requirements for potential need to extend fencing connected to natural water features. The Wildlife Blanding's Turtle are at the to a nearby bridge that allows for exclusion fencing used will meet NDMNRF Habitat and discretion of the MECP, with safe passage through an requirements. Further discussions with the Species at Risk recommended mitigation measures unaffected watercourse. It is MECP are also required to confirm mitigation Section 3.3.4 outlined below. critical for fencing to be inspected measures for Blanding's Turtle. Implement erosion and sediment regularly, and repairs must be An Environmental Inspector will be onsite control measures detailed in made in short order. Section 3.3.3 to protect turtle regularly during construction within Details on fencing connectivity, habitat (wetlands). monitoring, and repair should be environmentally sensitive areas and will • Exclusion fencing (e.g., silt fence) provided to ensure that this review fencing integrity and maintenance. should be erected on both sides of mitigation is effectively the road prior to activities occurring implemented in a way that



	during the active season (e.g., April	protects wildlife that are	Mitigation measures for fencing and
	1 – September 30) in areas	especially vulnerable to road and	inspection will also be developed and included
	identified as having turtles (30 m	equipment mortality.	in the project specific EPP.
	for SOCC species, 250 m for	, ,	,
	Blanding's turtle) or as being high		
	potential, such as stream/river		
	crossings, lake shores, ponds,		
	wetlands, dips or valleys between		
	rock outcrops, wetted ditches		
	connected to natural water		
	features.		
	• Exclusion fencing should be		
	installed prior to the sensitive		
	nesting season (May 1 and June 30)		
	if activities are anticipated to occur		
	throughout this period to prevent		
	turtles from entering and/or		
	nesting; or pre-screening can be		
	completed to avoid nests if work		
	must begin during nesting season.		
	No heavy machinery should be		
	permitted on the shoulder of the		
	road past the exclusion fencing to		
	prevent compaction and prevent		
	destruction of nests and habitat.		
	Where possible, restrict		
	construction activities within 30 m		
	of a nesting site.		
Section 7.1	Recommendations and	Please keep MSIFN up to date	As with past projects, Enbridge will engage
	commitments made in this ER and	with the drafting of the	MSIFN in environmental planning and
	other applicable permits and	Environmental Protection Plan	mitigation at the outset of every proposed
	reports should be incorporated into	(EPP). Enbridge Gas should	project in the Williams Treaties territory.
	an Environmental Protection Plan	provide the EPP to MSIFN and	,



(EPP) detailing construction other interested WTFNs for review Enbridge would be pleased to discuss any and comment several weeks prior additional recommendations MSIFN may have activity. The EPP should also include site and to commencing construction. on monitoring or environmental priorities, feature specific mitigation. The EPP There may be interest in fielding suggestions, and approaches, including the should become part of the contract environmental monitors if participation of environmental monitors from specification with the contractor deemed necessary by MSIFN MSIFN. selected to construct the project, as leadership. noted in section 5.8.4 of the OEB Environmental Guidelines (2016).



From: <u>Matthew Chegahno</u>
To: <u>Sharday James</u>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Date: Monday, January 10, 2022 9:11:02 AM

Sharday,

Chi-miigwetch for taking the time to review the ER and pose these questions. I have spoken with some of our internal Environment folks and they have provided me with what I hope will answer your questions. Please see below:

Table 5-1 within the Environmental Report provides mitigation measures related to wildlife, wildlife habitat and Species at Risk, some of which we've provided below. Also, impacts to Species at Risk will be avoided as much as possible by locating the Project within the existing municipally owned right-ofway.

Moreover, Enbridge will be submitting an Information Gathering Form to the Ministry of Environment, Conservation and Parks (MECP) to determine Species at Risk requirements for the Project, however, at this time, Enbridge is planning to utilize best management practices (BMPs) and standard mitigation to avoid impacts to Species at Risk at their habitat. As part of the Information Gathering Form, Enbridge will be reviewing the mitigation for the identified butternut tree. This may include completing a Butternut Health Assessment, locating the pipeline on the opposite side of the road, and if required, complete the pipeline installation by Horizontal Directional Drill (HDD).

As for workers identifying Species at Risk, Enbridge completes Environmental Training at the onset of a project, which includes Species at Risk and associated identification sheets and mitigation measures. An Environmental Inspector may also be onsite regularly to support Species at Risk identification and mitigation measures.

As discussed above, you'll find within the ER the following recommended mitigation measures. These will be finalized as we work through the design and permitting stages of the Project.

Mitigation Measures:

- a. Prior to all activities, a worker awareness program should be implemented that includes SAR identification and habitat or nesting characteristics as well as reporting protocols.
- b. SAR sightings should be reported immediately to the Environmental Inspector followed by MECP or ECCC, as required.
- c. Complete a Butternut Health Assessment of the single identified butternut, and of additional butternuts if required to determine requirements under the ESA (if any). HDD may be an option to bypass ground disturbance work within 25 m of butternuts if amicable to MECP. Otherwise, registration under Ontario Regulation 242/08 Section 23.7 could be undertaken for a maximum of 10 trees, if required.
- d. Exclusion fencing (e.g., silt fence) should be erected on both sides of the road prior to activities occurring during the active season (e.g., April 1 September 30) in areas identified as having turtles (30 m for SOCC species, 250 m for Blanding's turtle) or as being high potential, such as stream/river crossings, lake shores, ponds, wetlands, dips or valleys between rock outcrops,

- wetted ditches connected to natural water features.
- e. Exclusion fencing should be installed prior to the sensitive nesting season (May 1 and June 30) if activities are anticipated to occur throughout this period to prevent turtles from entering and/or nesting; or pre-screening can be completed to avoid nests if work must begin during nesting season.
- f. No heavy machinery should be permitted on the shoulder of the road past the exclusion fencing to prevent compaction and prevent destruction of nests and habitat.
- g. Where possible, restrict construction activities within 30 m of a nesting site
- h. Construction activities with the potential to remove migratory bird habitat, such as vegetation clearing, should be avoided during the breeding season which is generally from April 1- August 31 in southern Ontario (Environment Canada, 2017)
- i. If clearing is to be completed during the bird nesting season, nest sweeps should be completed no later than seven days prior to clearing activities.
- j. Areas of potential bat maternity roosting habitat will be identified during field investigations. Tree removal in identified areas should be limited to the extent possible and will avoid the active season for bats (mid-April to mid-September).
- k. If tree removal is required, mitigation recommendations for SAR bats will be prepared upon consultation with MECP.

I appreciate that this may be a lot of information to digest, and there may be questions that stem from some of it, so please feel welcome to write back with anything else you may have. As always, I'm open to jumping onto a phone or video call to discuss, if needed.

Chi-miigwetch,

Matthew

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Sharday James <shardayj@ramafirstnation.ca>

Sent: Friday, January 7, 2022 9:08 AM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft

Environmental Report Review

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any suspicious emails.

Good Morning Matthew,

Thank you for your email. I have reviewed the EA. I noticed in the SAR category that there are a number that could be encountered during construction. How will these impacts be mitigated? What about the SAR trees that were identified on site? Will they be impacted by the construction? How will the work crew be able to identify these species in order to report them?

Thank you, **Sharday James**

Sharday James

Community Consultation Worker, Lands and Membership

Chippewas of Rama First Nation

(ph) 705-325-3611,1633

(cell)

(fax)

(url) http://secure-web.cisco.com/1ll-

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From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: January 6, 2022 9:27 AM

To: Sharday James < shardayj@ramafirstnation.ca; Community Consultation

<consultation@ramafirstnation.ca>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good morning Sharday,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the Bobcaygeon Community Expansion Project. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022.*

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

—

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:26 PM

To: shardayj@ramafirstnation.ca; consultation@ramafirstnation.ca;

Cc: Melanie Book < Melanie.Book@enbridge.com >

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Good evening Sharday,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite the Chippewas of Rama First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for

the Project by no later than January 17, 2022.

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: <u>Matthew Chegahno</u>
To: <u>Waverley Birch</u>

Cc: <u>Don Richardson; Samantha Shrubsole; Monica Sanford; Colleen Kennedy</u>

Subject: RE: Comments: Bobcaygeon ER

Date: Thursday, January 20, 2022 9:05:38 AM

Waverly,

Chi-miigwetch for providing this on behalf of Mississaugas of Scugog Island First Nation.

I greatly appreciate this thoughtful review and feedback. Please know that I am going to work with the rest of the relevant individuals on the project team to develop a response for Scugog Island. As such, I will aim to return this to Scugog Island by or before Friday, February 18, 2022.

I very much look forward to our ongoing collaboration on the aspects of this project.

Talk soon and take care,

Matthew

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

—

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Waverley Birch <wbirch@ibabraiding.com>
Sent: Wednesday, January 19, 2022 12:12 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Don Richardson <don@ibabraiding.com>; Samantha Shrubsole <sam@ibabraiding.com>; Monica Sanford <msanford@scugogfirstnation.com>; Colleen Kennedy <ckennedy@scugogfirstnation.com>

Subject: [External] Comments: Bobcaygeon ER

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Hi Matthew,

Please see the attached comment set that we have prepared regarding the Bobcaygeon expansion ER. Thank you for accommodating our schedule.

Kindly,

Waverley

--

Waverley Birch (she/her) MES, RPP, MCIP Regulatory Specialist IBA Braiding Ltd.

Cell: 705-500-0926

http://secure-

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From: Matthew Chegahno
To: Francis M. Chua

Cc: Emily Whetung; Katie Young-Haddlesey; Julie Kapyrka; Kaitlin Hill; Jordon MacArthur; Gary Pritchard; Kayla

Wright; Melanie Green

Subject: RE: CLFN Response: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report

Review

Date: Thursday, February 17, 2022 9:51:29 AM

Attachments: ENB-CLFN Bobcaygeon ER Responses vFinal (FEB172022).pdf

Francis,

A sincere milgwetch again for sending us this thoughtful review of the *Bobcaygeon Community Expansion Project* Environmental Report on behalf of Curve Lake First Nation. Attached you will find Enbridge's responses to each of CLFN's comments on the ER.

Enbridge understands that consultation is an ongoing process that must be meaningful. As such, I recognize that there may be the need for subsequent conversations on these matters and would invite CLFN to kindly indicate if that is the case. Melanie Green (cc'd) and I would be happy to engage in further discussions to better understand and include CLFN in the *Bobcaygeon Community Expansion Project*.

Chi-miigwetch,

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Francis M. Chua <francis@francischua.com>

Sent: Monday, January 17, 2022 5:32 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>

Cc: Emily Whetung <EmilyW@curvelake.ca>; Katie Young-Haddlesey <KatieYH@curvelake.ca>; Julie Kapyrka <JulieK@curvelake.ca>; Kaitlin Hill <KaitlinH@curvelake.ca>; Jordon MacArthur <JordonM@curvelake.ca>; Gary Pritchard <gpritchard@4directionsconservation.com>; Kayla Wright <kayla@francischua.com>

Subject: [External] CLFN Response: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

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This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report

any suspicious emails.

Hi Matthew,

Please find attached the CLFN response to this project.

Thanks for offering an extension to the deadline. Perhaps another time!

Have a great evening.

Sincerely,
Francis Chua
Support to Curve Lake First Nation Consultation Department
519-375-6749

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: Thursday, January 6, 2022 9:24 AM

To: Julie Kapyrka < <u>JulieK@curvelake.ca</u>>; Francis M. Chua < <u>francis@francischua.com</u>>; Kaitlin Hill < <u>KaitlinH@curvelake.ca</u>>; Jordon MacArthur < <u>JordonM@curvelake.ca</u>>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good morning Dr. Julie,

I hope this email finds you well after what I hope was a very restful holiday break.

I wanted to send a quick follow-up note to bring this email back to the top of your inbox. As you'll find below, Enbridge is inviting the review of the draft Environmental Report (ER) for the *Bobcaygeon Community Expansion Project*. Please be reminded that we've asked that any feedback on the draft ER is submitted *no later than Monday, January 17, 2022*.

Please use the accompanying link to access the draft ER: www.enbridgegas.com/bobcaygeonproject

We welcome your feedback and review. This type of meaningful collaboration will help shape the approach for the project. If you have any issues accessing the link or questions about the draft ER, please do not hesitate to reach out to me directly and I will work to have it resolved.

As always, it's a pleasure to work with you and I look forward to what's in store for 2022.

Chi-miigwetch,

Matthew

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com

603 Kumpf Drive, Waterloo ON, N2J 4A4

Safety. Integrity. Respect. Inclusion.

From: Matthew Chegahno

Sent: Friday, December 3, 2021 6:25 PM

To: Julie Kapyrka < <u>JulieK@curvelake.ca</u>>; Francis M. Chua < <u>francis@francischua.com</u>>; Kaitlin Hill < <u>KaitlinH@curvelake.ca</u>>; Jordon MacArthur < <u>JordonM@curvelake.ca</u>>

Cc: Melanie Book < Melanie.Book@enbridge.com >

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project Draft Environmental Report Review

Good evening Dr. Julie,

I hope this message finds you well and that things aren't too busy as we approach the holiday season.

As you may recall, Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community of Bobcaygeon with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the draft Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment. As such, I am pleased to invite Curve Lake First Nation to provide their thoughtful review, comments, and shared knowledge on the draft ER.

In the link below please find a copy of the draft ER for the Project.

www.enbridgegas.com/bobcaygeonproject

I would kindly ask that the community returns to me any comments or feedback on the draft ER for the Project **by no later than January 17, 2022.**

Please be reminded that your community's review and comments are valued and will be used to help shape the approach for this project. If you have any issues with the link or questions about the report, please do not hesitate to contact me and I will work to have your inquiry resolved.

Chi-miigwetch in advance for your time and attention on this matter.

Matt

Matthew Chegahno

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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Table 1: Enbridge Gas's (Enbridge) Responses to Curve Lake First Nation (CLFN) Comments			
Item	CLFN Comment/Question/Statement/Action Item	Enbridge Response	
Section 1: General Q	uestions or Issues Raised within the Context of Reporting		
1.	Comment: The report provided by Stantec on behalf of Enbridge to CLFN was to the standards from a Settler or Western Science ideology required under the Ontario Energy Board's (OEB) Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario (7th Edition). However, this method of evaluation does not protect cultural values or Indigenous Rights on the landscape.	While these are the formal guidelines provided to Enbridge by the OEB, Enbridge is committed to incorporating Indigenous knowledge, cultural values, and Rights on the landscape within the Bobcaygeon Community Expansion Project ("Project") footprint into the Report. Enbridge would like to continue to work with CLFN to understand the cultural values that are important to the community and potential impacts on Rights in this area. Moreover, Enbridge would welcome the opportunity to work with CLFN to understand and better incorporate Indigenous worldviews and/or knowledge systems into the relevant	
2.	Question: If looking at meeting the requirements through a federal and provincial guideline and regulation perspective; then why are not the Treaty and Indigenous Rights examined during the jurisdiction scanning process of compliance?	aspects of this Project. Enbridge acknowledges that consultation with Indigenous communities is ongoing. As such, Enbridge would seek to gain a better understanding of any potentially affected Aboriginal and Treaty Rights within the Project footprint so they can be avoided or mitigated, as appropriate. Given this, please confirm if the community requires anything further to identify any potential impacts on CLFN's Aboriginal or Treaty Rights and interests.	
3.	Statement: In Section 2.2- Identifying Interested and Potentially Affected Parties. It is interesting to observe the level of colonialism that Stantec employs within the context of their reporting corporately. When talking about rights affected peoples, First Nations and other Indigenous communities should supersede Municipal, Residential, and other special interests' groups. Their rightful placement of the Indigenous community is	To this point, Enbridge has maintained a degree of corporate-level Cultural Awareness training. Enbridge would be receptive to exploring opportunities to work alongside CLFN to codevelop relevant and specific cross-cultural awareness training.	



	ahead of Federal and Provincial levels of governments. This is justified from the treaty making process, without this process then all other levels of Settler governance would simply not exist. This further exemplifies the need of contractors working on behalf of proponents in CLFN territory to undergo mandatory Cross Cultural Awareness Training lead by the First Nations.	Additionally, contractors who do business with Enbridge must comply with all applicable policies of EGI or its affiliate(s) including the Enbridge Inc. Statement on Business Conduct.
Section 2: Indigenor	us Worldview and Cultural Representation	
4.	Comment: There were no Indigenous worldviews or knowledge systems in the creation of the environmental reports.	See Enbridge's response to Item 1.
5.	Question: During Phase I: Inventory and Mapping of Existing Conditions within the Study Area, when discussing with relevant agencies and municipalities why was the signatories of the treaty not included in the preliminary conversation regarding the existing conditions or examination of local features?	Enbridge recognizes the need for and commits to ongoing consultation. As such, Enbridge continues to be interested in understanding the conditions of the land from viewpoint of rights holders; in this case, Curve Lake First Nation.
6.	Action Item: Given the approximation to CLFN, a detailed Indigenous knowledge study is required to protect the cultural identity of the landscape. This should have been completed prior to any environmental field investigations since based on 4 Directions' knowledge of the area the proposed works has the potential to disrupt cultural keystone species such as a variety of nesting raptors, spawning fish populations, cold-water resident fish populations and species at risk.	Enbridge is interested in beginning an exploratory dialogue with CLFN on matters related to Indigenous knowledge studies. In doing so, Enbridge would seek to better understand the nature and scope of these requests and see where collaboration can be achieved. Enbridge will be completing additional field studies (as required), including Species at Risk surveys, Butternut Health Assessments, tree inventories, breeding bird surveys, and bat exit surveys, and will be incorporating mitigation measures into the Environmental Protection Plan for the Project ("EPP"). CLFN will have opportunity to participate in these field studies, if desired.
7.	Action Item: Additional environmental studies may be required after the completion of the Indigenous knowledge study. Inadvertently, further offsetting or compensation may be required to CLFN to reverse the alteration or limitation of	In relation to potential Project-related impacts on Aboriginal or Treaty Rights, Enbridge continues to be interested in understanding how changes to the natural environment could impact these rights.



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	harvesting rights to the area by the proposed construction or site	Enbridge is committed to continuing to engage
	alterations.	with Curve Lake First Nation to obtain specific
		information regarding potential Project-related
		impacts on rights and how those impacts can be
		avoided or mitigated as appropriate.
8.	Statement: When reviewing the large number of provincial and	Enbridge will follow the Duty to Consult process as
	federal agencies permitting approvals required for this proposed	directed by the Crown (i.e. applicable government
	scope of work, Enbridge and its consultants need to be made	agencies) during the permitting process. If deemed
	aware that each of these components have Duty to Consult and	required for the Project, CLFN will be engaged on
	Consent phase to the permitting process with the local	permits that have a Duty to Consult component.
	Indigenous community. Thus, it is in the best interest of Enbridge	Moreover, where CLFN is identified as a
	to work with CLFN to establish a Community Environmental	community with whom to engage in relation to a
	Action Plan to satisfy community interests, evaluate	project or where CLFN has expressed a known
	environmental constraints through Indigenous Rights perspective	interest in the permitting process, Enbridge will
	and satisfy a preliminary basis of Duty to Consult prior to	engage with CLFN. To that end, Enbridge would
	meeting with the regulators and not delay the timeline of project	seek to better understand the nature and scope of
	initiation and completion.	CLFN's interest in the permitting process for this
		Project. Potential permits include: a Permit to Take
	It should be known that the Michi Saagiig did not sign away the	Water (Ministry of Environment, Conservation and
	rights to water within this area, thus Settlers will need to get	Parks [MECP]), an Endangered Species Act Permit
	consent to any of the proposed activities prior to regulator	(Parks Canada and MECP), a Review and
	application. Failure to do so will be a direct violation to the rights	Authorization under the Fisheries Act (Fisheries
	both Inherent and Treaty of CLFN, the signatories of the Treaty	and Oceans Canada [DFO]), a Review and
	and Section 35 of the Canadian Constitution.	Authorization under the Navigation Protection Act
		(Transport Canada [TC]) and a Trent-Severn
		Waterway In-Water and Shoreline Work Permit
		under the authority of the Historic Canals
		Regulations pursuant to the Department of
		Transport Act (Parks Canada).
		Enbridge understands and respects that the Michi
		Saagiig peoples are asserting a right to water. We
		value Indigenous conceptions of water stewardship
		and management, and how this knowledge can
L	I	



		strengthen our environmental and mitigation planning. Enbridge recognizes the asserted rights of the Michi Saagiig people and would like to continue to work with CLFN to better understand best practices in water and water related mitigation approaches. As always, we remain committed to working with communities to protect the rights of Indigenous peoples.
9.	Action Item: Several tributaries of the Pigeon River, Emily Creek, and Sturgeon Lake have small but active has been fisheries that have been observed in spring and fall fisheries data collected by CLFN and the MNRF (now MNDMNRF)-Kawartha Lakes Fisheries Assessment Unit. Further exploratory sampling should be conducted to evaluate all tributaries of potentially impacted tributaries. This is further evident from some of the species identified in the background review provided by Stantec, with the MNRF data showing cold-water species with no positive identification. and other cold-water habitats are becoming increasingly rare in Michi Saagiig territory and this is a direct result of Settler occupation.	NDMNRF and the Conservation Authorities had available fish data that were reviewed in conjunction with other online data sources during the preparation of the ER. The data permitted identification of the thermal regime for each watercourse and an assessment of sensitivity to guide mitigation recommendations. Given the sensitive nature of the local fisheries, no in-water work is proposed at any of the pipeline crossings of watercourses. The proposed method for pipeline water crossings (i.e., horizontal directional drilling) allows for installation of the pipe beneath the watercourse without the requirement for disturbance of the watercourse channel. Mitigation measures will also be applied at various crossing locations to further reduce the risk of impact. These measures include completing the work during the appropriate timing window, installation of appropriate sediment and erosion control measures (i.e., silt fencing around disturbed areas) and development of a contingency plan.



	If these measures are followed, a project of this nature is typically considered to be low risk to fish and fish habitat.
Comment: Jackson Creek headwaters and tributaries is another system where CLFN members historically harvested	Enbridge acknowledges the historic use of the Jackson Creek headwaters and tributaries for the harvesting of Enbridge welcomes this shared knowledge for inclusion in the ER, if CLFN would be interested.
	Jackson Creek is located within the Study Area. The preferred route crosses Jackson creek once (crossing ID CRT-2) and there are three crossings of an unnamed tributary of Jackson Creek (crossing IDs CRT-1, CRT-3 and CRT-4) (Figures C-3-6 and C-3-7). The measures noted in response 9 above will be followed and as such a project of this nature is typically considered to be low risk to fish and fish habitat.
Accuracy with the Approach	
Comment: a) It is in agreeance with the MECP that further study is required, and protection awarded to the 11 species at risk identified within the study area regardless of the perceived rational of occurrence or optimal habitats. • It is important for Western practitioners to know, "even though the probability of occurrence is low for a species at risk, further examination should be completed to rule out its occurrence or use of the site. By this western logic, all animals or living beings only occupy high quality, optimal habitats. Then why is this not observed in human populations? If this was the case, there would be no homeless and we would all live in large upscale homes. " (Gary Pritchard- lecture: Indigenous ways of Knowing.) By using a justification of probability, it allows Western science the ability to justify environmental degradation and destruction.	Enbridge acknowledges the importance of protecting the potential Species at Risk identified within the study area. Section 5.1 of the ER lists mitigation measures that are recommended for the protection of Wildlife, Habitat and Species at Risk. Generally, this includes implementing a Species at Risk awareness program, avoiding species-specific sensitive periods and erecting exclusion fencing (where required). The following additional field studies and mitigation measures are planned for this Project:
	Accuracy with the Approach Comment: a) It is in agreeance with the MECP that further study is required, and protection awarded to the 11 species at risk identified within the study area regardless of the perceived rational of occurrence or optimal habitats. It is important for Western practitioners to know, "even though the probability of occurrence is low for a species at risk, further examination should be completed to rule out its occurrence or use of the site. By this western logic, all animals or living beings only occupy high quality, optimal habitats. Then why is this not observed in human populations? If this was the case, there would be no homeless and we would all live in large upscale homes. " (Gary Pritchard- lecture: Indigenous ways of Knowing.) By using a



		 Ecological Land Classification (ELC) will be completed for the entire preferred route prior to construction and will be presented in a separate report. In the event that tree removals are required: A tree inventory will be completed, including Butternut identification, and: In the event Butternut is identified – Butternut Health Assessment Bat entry/exit acoustic surveys Implement Best Management Practices for turtles Breeding bird surveys, if required. Additional studies, if required. Additional studies, if required. CLFN will have opportunity to participate in these field studies, if desired Further mitigation and protective measures based on the results of the additional field studies and
		consultation with the MECP will be outlined in the EPP, which will be implemented during construction.
12.	Action Item: To avoid impact to species at risk through Indigenous community participation, study and an understanding at the natural environment at a sub-watershed level.	See additional studies detailed above and invitation to participate in Comment 11.
		For monitoring efforts during and after construction in relation to watercourses and construction areas, please refer to the current monitoring plan within the ER. Should the community have additional recommendations on monitoring, Enbridge welcomes the opportunity to



		better understand CLFN's environmental priorities, suggestions, and approaches.
13.	Comment: b) It is in agreeance with MECP that both ground water sand surface water sources, especially those which are areas of source water protection are of great concern in this project.	Enbridge acknowledges the importance of ground water and surface water sources. Mitigation and protective measures for groundwater resources, including source water protection areas, are noted in Table 5.1 of the ER under the Groundwater Section (3.2.3) row.
14.	Action Item: Create a comprehensive monitoring plan for pre and post construction conditions with Indigenous participation.	Monitoring and contingency plans are noted in section 7.0 of the ER. Enbridge also conducts monitoring at 3-months and 15-months post-construction and generates the respective reports which are submitted to the Ontario Energy Board (OEB) as part of Enbridge's Conditions of Approval for the Project. The scope of these reports is to document any remaining impacts from construction, any additional restoration required to restore these areas, and any exceptional items that came up during construction of the Project. The reports also document any concerns received during construction of the Project and how Enbridge has addressed these concerns. For general monitoring efforts during and after construction in relation to watercourses and construction areas, please see response to item # 12. Should the community have additional recommendations on monitoring, Enbridge welcomes the opportunity to better understand CLFN's environmental priorities, suggestions and approaches.



15.	Comment: c) Pigeon Lake and all its relations is not only of high historical value to the members of CLFN, but also a place where they continue to this day exercise their Inherent Rights to the landscape. Any alteration or impact to this area will impact their ability to continue their cultural traditions.	Thank you for your shared knowledge regarding traditional historical and current use of Pigeon Lake. Enbridge acknowledges the historic use and current value of Pigeon Lake to CLFN. We would be happy to include this in the ER if requested by CLFN. Work is planned to be contained within the
		municipal ROW and therefore no impacts are anticipated with respect to Pigeon Lake.
		Mitigation and contingency measures for aquatic species and aquatic habitats are noted in Table 5.1 under the Aquatics Species and Habitat (Section 3.3.1) row and contingency measures for watercourse sedimentation are provided in Section 7.2.4 Watercourse Sedimentation.
		Moreover, Enbridge would be happy to further engage with CLFN regarding this area to understand how CLFN's Aboriginal or Treaty Rights may be impacted by Enbridge's ongoing development and operations in the territory, how the Project may further contribute to this impact and what may be done to avoid, offset or minimize the impact.
16.	Action Item: Enbridge and CLFN must develop an Environmental Monitoring Plan that suits the needs of CLFN to ensure cultural longevity during and post construction of this project. Some of the items lacking from this environmental report should be	Enbridge welcomes the opportunity to better understand CLFN's environmental priorities, suggestions and approaches.
	 included such as but not limited to: Indigenous Areas of Use, Critical season use of all species, Critical habitat of all species, 	Enbridge will be preparing a Project-specific EPP which will include species-specific timing windows, habitat mapping, alignment sheets, etc.



	 Emphasis on Cultural Keystone Species, and a Projects Cumulative Impact to an Area (sub-watershed level). 	Environmental Inspection on site will be conducted to support conformity with the measures set out in the EPP.
17.	Question: CLFN has concerns about local deer populations and their habitat throughout Treaty 20. Has the site been looked at from a deer habitat suitability index or the impact to their habitat? Has Enbridge looked at how this operation or noise from operation could affect the seasonal harvest of deer populations within this area? Further discussion is needed on this topic since harvest numbers (by both the Indigenous and Settler community) members are experiencing low harvest rates in this area.	Deer wintering areas are shown on Figure C-2. The animal movement corridors for deer are acknowledged in Section 3.3.4.4. Animal Movement Corridors. Impacts to wildlife during construction are discussed in Table 5.1 under the Wildlife, Wildlife Habitat and Species at Risk (Section 3.3.4) row. Direct impacts will be restricted to existing roadsides and short-term in duration.
		During operation of the pipeline, impacts are not anticipated to deer populations as temporary work areas will be revegetated and the buried pipeline is not anticipated to provide noise or visual disturbance to wildlife.
		That said, Enbridge will work with the community to understand what harvesting rights are being practiced within the Project footprint, so these rights can be avoided or mitigated, as appropriate.
18.	Statement: Designs, project implementations or milestones must account for Indigenous harvesting Rights within the identified features of value. The project schedule will be delineated by Indigenous people and their cultural identity and not solely on Settler based construction timing windows.	Enbridge would be happy to further engage with the community to understand how CLFN's Aboriginal or Treaty Rights may be impacted by the Project and what may be done to avoid, offset or minimize the impact such as avoiding construction during certain timing windows, as applicable.
19.	Statement: Even though there is no Aquatic Species at Risk present within the study area, there needs to be the examination of regionally rare species or habitats added to this background review. Even though a species population is stable elsewhere in Ontario, there is cultural and community protocols that the	Stantec reviewed DFO Aquatic SAR mapping and the provincial NHIC database and determined that the Study Area does not support any federally designated aquatic SAR and there are no records of provincially designated aquatic SAR within the



Indigenous peoples have followed for countless generations and adhere to prior to harvesting outside their territory or jurisdiction. Thus it is imperative to ensure there is no to minimal impacts to the local ecology in their territory. It should be communicated to Enbridge that Indigenous peoples do not harvest so freely outside of their territory with permission of the Rights Holders of that area, this is a practice not observed in the Settler community. Thus furthering the ideology of Settlers taking from the land what and whenever they want and not what they need.

Study Area. General mitigation and protective measures for aquatic species are noted in Table 5.1 of the ER in the "Aquatic Species and Habitat (Section 3.3.1)" row.

Ministry of Northern Development, Mines, Natural Resources and Forestry (NDMNRF) records were reviewed to determine fish species that have been recorded in the watersheds within the Study Area. The species present in the watersheds in the Study Area are noted in Table 3.3 of the ER "Subwatersheds and Associated Watercourse Crossings".

Aquatic SAR and SAR critical habitats are assessed and protected taking regional differences in population stability into account, rather than applying a SAR's status with a broad brush for the province or across the country. As indicated in Comment 11, additional field studies are being undertaken for this Project to identify SAR and SAR habitat and further develop/refine mitigation measures, as needed.

Several terrestrial SAR (including birds, bats, reptiles, insects, plants) were identified as potentially occurring in the Study Area, as discussed in Section 3.3.4.5 of the ER. Habitat for regional rare terrestrial species have been addressed in 3.3.4.3 of the ER. Impacts and mitigation to at risk and rare wildlife are discussed in Table 5.1 under the Wildlife, Wildlife Habitat and Species at Risk (Section 3.3.4) row.



20.	Statement: All wetlands identified within the 120 m right of way have a cultural significance and are granted protections through the treaty making process. This can also be said for any of the hardwood forests stands that have sugar maple (Acer saccharum), American beech (Fagus grandifolia), white ash (Fraxinus americana), eastern hemlock (Tsuga Canadensis), green ash (Fraxinus pennsylvanica), red maple (Acer rubrum), eastern white cedar (Thuja occidentalis), yellow birch (Betula alleghaniensis), balsam fir (Abies balsamea), and black ash (Fraxinus nigra).	Enbridge acknowledges the cultural significance of the wetlands in the area and that they are granted protections through the treaty making process. Mitigation and protective measures for wetlands are noted in Table 5.1 under the Aquatics Species and Habitat (Section 3.3.1) row and under the Wetlands (Section 3.3.3) row. Enbridge also acknowledges the cultural significance of hardwood forests and we have listed mitigation measures for trees and vegetation in Table 5-1 Forest and Vegetation Cover row (Section 3.3.2) of the ER. Impacts to forests are not anticipated as the Project is planned to be located within the municipal ROW.
		At this time, tree removal is not anticipated, however, should it be deemed required, additional field studies including a tree inventory, will be completed, as described in Comment 11. Of which, CLFN will be invited to participate, if desired.
21.	Statement: Enbridge should be made aware that all the identified terrestrial species of conservation concern and species at risk have been overserved within the study area right of way. A method to detect their presence may be require outside of site visitations. Methods like camera trapping, environmental DNA, and audio recordings should be used to decrease uncertainty and human error to confirm presence absence and collect larger data sets while reducing costs.	Field studies will be conducted in accordance with provincial guidelines and industry standards. Importantly, where there may be uncertainty in the results of the studies or the presence of a species at risk, a precautionary approach will be taken of assuming presence and implement mitigation measures, as detailed in the EPP. Prior to construction, a Species at Risk awareness
		session will be provided to workers to ensure they understand the requirements around Species at



		Risk, including the required mitigation measures. CLFN will be invited to participate, if desired.
Section 4: Concern 23.	Comment: To date, there has not been any site visits by any	This feedback is well received, and Enbridge will work to integrate it into the final ER and any forthcoming archaeological assessment reports and regulatory submissions. Furthermore, and aligned with our corporate Indigenous Peoples' Policy, Enbridge acknowledges the unique rights that Indigenous communities have. Enbridge remains interested in working with CLFN
Section 5: Outcom	members of CLFN or those who work on their behalf. It is recommended that a four-season site visit approach be undertaken to ensure species of cultural interest be explain, heard, and protected if this work is to proceed ahead.	to understand the community's interests in addition to accommodating site visits. Moreover, Enbridge has provided the preliminary Environmental Field Schedule and will work with the community to involve monitor(s) from CLFN, as the community is interested.
	es and Recommendations	Tal
24.	Recommendation 1: All sections of this report need to be addressed in good faith between Enbridge and CLFN to address their (CLFN) level of environmental concern. Enbridge not only needs to communicate this to CLFN but also in a subsequential document outlining a formal response to questions, recommendations or action items arising from this peer review.	Please accept this correspondence as our formal response to the comments, questions, statements, and action items highlighted in CLFN's peer review. Enbridge acknowledges that consultation is an ongoing process that must be meaningful. As such, we will continue to work to understand, respect and respond to CLFN's questions, concerns, and shared knowledge offerings as this Project progresses.
25.	Recommendation 2: Oral histories and environmental protection of culturally sensitive features such as wetlands should be included within the Environmental Assessment process to ensure that the obligations of Treaty or Inherent Rights to the land are understood and adhered to under Section 35 of the Canadian Constitution.	Enbridge will include the Oral History of the Michi Saagiig in the final ER and any forthcoming archaeological assessment reports and regulatory submissions. Moreover, Enbridge remains interested in working with CLFN to integrate any



	If this is not occurring in practice, then this is another process of colonization by wiping the Indigenous presence from the landscape.	additional history, oral or otherwise, as well any culturally sensitive features.
26.	Recommendation 3: Since culturally sensitive features are protected in the Treaty's signed by the Michi Saagiig then appropriate environmental buffers should be negotiated with the Rights holders and the ones who grant harm or destruction to the Rights under Section 35 of the Canadian Constitution. This may extend beyond the industry standard.	Any archaeological reports prepared for the Project will be provided by Enbridge to CLFN for review and comment prior to submission to the MHSTCI. Enbridge will work with CLFN to understand and implement specific buffer requirements as required by the MHSTCI's Standards and Guidelines for Consultant Archaeologists and CLFN's Archaeological Protocol: Curve Lake First Nation, as appropriate.
27.	Recommendation 4: There will be an understanding and mitigation measures allotted to the mammal species within the project area. Such species include but not limited to the deer, beaver, mink, otter, and muskrat.	Mitigation measures proposed for wildlife in Table 5.1 under the Wildlife, Wildlife Habitat and Species at Risk (Section 3.3.4) row as well as Wetlands (Section 3.3.3 row) are designed to protect the environment and local habitats from encroachment and degradation. Protection of these habitats will also mitigate impacts to wildlife that use these areas, including deer, beaver, mink, otter, muskrat (and other) species. For example, avoidance of wetlands and implementing sediment erosion control and exclusion fencing, are anticipated to protect wetland mammals (e.g., beaver, mink, muskrat) and their habitat. During operation, as discussed in Comment 17, impacts of the buried pipeline on wildlife are not anticipated.
28.	Recommendation 5: Site restoration design inputs with CLFN using Indigenous Knowledge Systems.	Enbridge restores the ROW to pre-construction conditions or better and seed is selected based on landowner requirements or based on the native species in the area. If tree removal is deemed



		necessary, Enbridge will work with the required permitting agency (KCA or COKL) and can discuss this with CLFN. Additionally, Enbridge would welcome the opportunity to work with CLFN to understand and better incorporate Indigenous worldviews and/or knowledge systems into the relevant aspects of
29.	Recommendation 6: Black ash protection and restoration if impacted.	this Project. Enbridge acknowledges this comment and currently, tree removal is not anticipated, however, if it is deemed required, tree inventories will be completed, and tree protection plans put in place.
		If tree removal is required, CLFN would be invited to participate in the tree inventories.
30.	Recommendation 7: Understanding or minimizing the impacts to frog populations with emphasis on bullfrog and green frog populations since there are a traditional food source of the Michi Saagiig and are still used to this day. Recommendation 8: Environmental Monitoring of Construction	Enbridge acknowledges the importance of frog populations to the Michi Saagiig. Mitigation and protective measures with regard to amphibians are noted in Table 5.1 in the "Wildlife, Wildlife Habitat and Species at Risk (Section 3.3.4)" row. Where practical, construction should be avoided in the vicinity of the areas that may provide habitat for amphibians during the amphibian breeding season (March 1 – June 30). Work is planned to be contained within the municipal ROW and therefore impacts are not anticipated to amphibian populations.
31.	Recommendation 8: Environmental Monitoring: If construction activities are not effectively managed to limit soil exposure or contain runoff, the mobilization and transport of water-borne sediments may result in water quality degradation, destabilization of natural occurring fluvial processes and interference with wetland and aquatic habitats. While the land	As mentioned in Comment 8, Enbridge will follow the Duty to Consult process as directed by agencies during the permitting process. If deemed required for the Project, CLFN will be engaged on permits that have a Duty to Consult component. Moreover, where CLFN is identified as a community with



development industry has taken important steps towards improving its erosion and sediment control practices, deficiencies still exist. Reoccurring problems included the lack of proper follow-through on implementation approved ESC plans, inadequate inspection and maintenance of ESC measures, illicit pumping, and failure to report sediment spills. Rapid response is important to minimize adverse impacts particularly where sensitive species and their habitat are at risk. Sensitive systems include those that support or have the potential to support species at risk and cold-water specialists such as redside dace, Atlantic salmon, sculpin, and other cold-water species.

CLFN objective is to ensure that any construction activity within their territory are continuously and proactively monitored that prevents harmful impacts of deleterious substance (such as sediment and silts) from getting into local receiving streams.

Site Inspections and Ecological Construction Monitoring is a critical component of any construction project. Most site inspections focus on sediment control and may not include assessing impacts on other significant features such as wetlands, fish habitat. Monitoring Stations need to be developed and assessed based on potential pathways by which the project can induce harm to the environment. A detailed site-specific monitoring plan will need to be generate by CLFN and the proponent and then submitted to the regulatory agencies as part of the proponent's compliance monitoring and Duty to Consult. Examples of monitoring activities included but not limited to the following:

- Contractor Education
- Erosion and Sediment Control Measures
- Long-term Natural Heritage Monitoring
- o Wetlands

whom to engage in relation to a project or where CLFN has expressed a known interest in the permitting process, Enbridge will engage with CLFN. To that end, Enbridge would seek to better understand the nature and scope of CLFN's interest in the permitting process for this Project.

Soil mitigation and protective measures include those outlined in the Enbridge Construction and Maintenance Manual (October 27, 2021) and those noted in Table 5.1 of the ER under the "Soil and Soil Capability" (Section 3.2.5) row.

An Environmental Inspector will attend Project construction activities regularly to inspect environmental conditions including ESC measures, SAR habitat and aquatic habitat, including watercourses and wetlands.

Conservation Authority permits will be obtained and will include ESC measures.

The EPP will detail monitoring requirements, including for Erosion and Sediment Control (ESC) measures.



	o Surface water	
	o Woodlots	
	o Nesting bird	
	o Reptiles	
	o Buffer placement	
	o Groundwater	
	o Stream health	
	o Wildlife corridor and connectivity	
32.	Recommendation 9: CLFN has the right to add to this list of	Enbridge agrees. Enbridge is committed to ongoing
	requirements at any time but should approached the proponent	consultation with CLFN and will continue to work
	in the spirit of reconciliation.	to ensure the proposed Project respects Aboriginal
		and Treaty Rights.



From: <u>Matthew Chegahno</u>

To: <u>Julie Kapyrka</u>; <u>Kaitlin Hill</u>; <u>Francis M. Chua</u>; <u>Kayla Wright</u>

Cc: Melanie Green

Subject: Meeting Minutes from Feb 8 2022

Date: Wednesday, February 9, 2022 10:25:52 AM

Attachments: Feb 8 Meeting.pptx

Good morning all,

I just wanted to follow up from our meeting yesterday, provide the slide deck that I used, and say thanks.

Agenda Items:

- General project updates and discussion for:
 - Haldimand Shores Community Expansion Project
 - Bobcaygeon Community Expansion Project
 - Selwyn Community Expansion Project
 - Kingston System Reinforcement Project
 - Ajax Reinforcement Project
 - Almonte Reinforcement Project (cancelled)
 - Eganville Community Expansion Project (upcoming)
- General overview of our engagement progress on each of the above projects (i.e. status of archaeology and environmental work)
- AP touchpoint (4 filing fees to be paid in full upon receipt of the remaining two outstanding invoices)
- Transition to Melanie Green as the POC for Curve Lake to Enbridge
- Discussion around status and interest in Mishkodeh Centre in Bobcaygeon

Action Items:

- Answer to Kaitlin's question re: How much of Selwyn is previously connected to natural gas?
- Fueling Futures Portal opening and closing for Francis
- ENB to deliver high-level archaeology schedule to CFLN for resource planning into the spring season
- ENB to include columns related to additional environmental work: 1) site visits as part of ER process, 2) fieldwork monitoring, 3) during and post construction monitoring

A sincere chi-miigwetch to the CLFN team for making my first experience as an Engagement professional a positive one. I do think that this will only be a baamaapii and I look forward to the next time our path's cross.

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: <u>Matthew Chegahno</u>

To: <u>Julie Kapyrka</u>; <u>Francis M. Chua</u>; <u>Kaitlin Hill</u>; <u>Kayla Wright</u>

Cc: Melanie Green

Subject: Bobcaygeon Community Expansion Project - Environmental Field Schedule

Date: Tuesday, February 22, 2022 9:42:37 AM
Attachments: Bobcaygeon Field Schedule 2022.docx

Aahnii everyone,

I hope you all had an enjoyable long weekend and that nobody got stuck in that huge snowfall we had on Saturday.

As promised, I'm just passing along the tentative and preliminary environmental field schedule that I was provided for the Bobcaygeon Community Expansion Project. I hope this information helps in your workforce planning as we look ahead to the various types of fieldwork in the spring, both environmental and archaeological. If you notice an aspect that the community would like to be included on, please let either Melanie G or I know and we will work to coordinate that with the broader Project team.

Please also note that this field schedule only includes environmental work and Melanie Green will continue to work with you on matters related to archaeological participation as well. On behalf of Enbridge, we look forward to including Curve Lake in the aspects of the Project that are of greatest interest to the community.

If you have any questions, please do not hesitate to reach out to either Mel G or myself.

Chi-miigwetch and have a great week!

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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From: <u>Matthew Chegahno</u>

To: Francis M. Chua; Julie Kapyrka; Kaitlin Hill; Kayla Wright

Cc: Melanie Green

Subject: RE: Response Requested: ER Additions from CLFN Date: Tuesday, February 22, 2022 12:37:15 PM

Chi-miigwetch for the quick turnaround, Francis. I will pass this information along to the Environmental team.

Hope everyone is keeping well!

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

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From: Francis M. Chua <francis@francischua.com>

Sent: Tuesday, February 22, 2022 12:32 PM

To: Matthew Chegahno <matthew.chegahno@enbridge.com>; Julie Kapyrka <JulieK@curvelake.ca>;

Kaitlin Hill <KaitlinH@curvelake.ca>; Kayla Wright <kayla@francischua.com>

Cc: Melanie Green < Melanie. Green @enbridge.com>

Subject: [External] Re: Response Requested: ER Additions from CLFN

CAUTION: EXTERNAL EMAIL

This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hi Matt. I'm going to respond in this manner - redacting the identified species. When we collectively determine a process for sharing and protecting information, we can make those changes in the future and perhaps be more detailed and transparent in what is made known in public space.

CLFN Decision [YES with these edits - Francis Chua on behalf of CLFN]

Comment: Jackson Creek headwaters and tributaries is another system where CLFN members historically harvested

Enbridge acknowledges the historic use of the Jackson Creek headwaters and tributaries for the harvesting Enbridge welcomes this shared knowledge for inclusion in the ER, if CLFN

would be interested.

Jackson Creek is located within the Study Area. The preferred route crosses Jackson creek once (crossing ID CRT-2) and there are three crossings of an unnamed tributary of Jackson Creek (crossing IDs CRT-1, CRT-3 and CRT-4) (Figures C-3-6 and C-3-7). The measures noted in response 9 above will be followed and as such a project of this nature is typically considered to be low risk to fish and fish habitat.

CLFN Decision [YES with no edits - Francis Chua on behalf of CLFN]

Comment: c) Pigeon Lake and all its relations is not only of high historical value to the members of CLFN, but also a place where they continue to this day exercise their Inherent Rights to the landscape. Any alteration or impact to this area will impact their ability to continue their cultural traditions.

Thank you for your shared knowledge regarding traditional historical and current use of Pigeon Lake. Enbridge acknowledges the historic use and current value of Pigeon Lake to CLFN. We would be happy to include this in the ER if requested by CLFN.

From: Matthew Chegahno < matthew.chegahno@enbridge.com >

Sent: Tuesday, February 22, 2022 10:20 AM

To: Julie Kapyrka < <u>JulieK@curvelake.ca</u>>; Francis M. Chua < <u>francis@francischua.com</u>>; Kaitlin Hill

<<u>KaitlinH@curvelake.ca</u>>; Kayla Wright <<u>kayla@francischua.com</u>>

Cc: Melanie Green < Melanie.Green@enbridge.com > **Subject:** Response Requested: ER Additions from CLFN

Good morning everyone,

Please accept my apologies for two quick emails this morning. I'm wondering if you folks would be willing to provide some input on the chart below before the end of the week, Friday, February 25, 2022. I have taken excerpts from the previously submitted ER Response Grid and included areas where Enbridge is seeking the permission of CLFN. You'll note below that in both of these cases, it is a time where CLFN has shared some traditional/historical knowledge. I want to be respectful so as not to include this information in our final ER without the express written consent of CLFN. As such, I'd be very grateful if you could indicate either positively or negatively what the community would prefer. There is certainly no pressure to provide this approval, I just wanted to make sure that you folks had the final say on it and didn't want to assume anything on your behalf.

If you have any questions about this, or would like to speak about it over the phone, please let me know and I will make some time available.

CLFN Comment	ENB Response	CLFN Decision (Yes/no)
Comment: Jackson Creek	Enbridge acknowledges the	
headwaters and tributaries is	historic use of the Jackson	

another system where CLFN members historically harvested	Creek headwaters and tributaries for the harvesting of Enbridge welcomes this shared knowledge for inclusion in the ER, if CLFN would be interested.	
	Jackson Creek is located within the Study Area. The preferred route crosses Jackson creek once (crossing ID CRT-2) and there are three crossings of an unnamed tributary of Jackson Creek (crossing IDs CRT-1, CRT-3 and CRT-4) (Figures C-3-6 and C-3-7). The measures noted in response 9 above will be followed and as such a project of this nature is typically considered to be low risk to fish and fish habitat.	
Comment: c) Pigeon Lake and all its relations is not only of high historical value to the members of CLFN, but also a place where they continue to this day exercise their Inherent Rights to the landscape. Any alteration or impact to this area will impact their ability to continue their cultural traditions.	Thank you for your shared knowledge regarding traditional historical and current use of Pigeon Lake. Enbridge acknowledges the historic use and current value of Pigeon Lake to CLFN. We would be happy to include this in the ER if requested by CLFN.	

Again, a sincere chi-miigwetch.

Matt

Matthew Chegahno (he/him)

Advisor, Community & Indigenous Engagement

Public Affairs, Communications & Sustainability

ENBRIDGE INC.

CELL: 519-502-3570 | matthew.chegahno@enbridge.com 603 Kumpf Drive, Waterloo ON, N2J 4A4

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Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
Notice o	-	en House mailed	via Canada F	ewspapers on September 2, 2021, and September 9, 202 Post unaddressed Ad-mail September 7, 2021 tember 27,2021	21.	
1	@ gmail.com	VOH Questionnaire	September	I	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments. Stantec noted that: The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system. Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. Link to Enbridge website provided(https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject)
2	@ hotmail.com	VOH Questionnaire	September 14, 2021	 Access to natural gas – asked what the costs are to connect. The line doesn't continue to the correspondent's residence but will border property owned by the correspondent. Asked if the line will cause noise and inconvenience or benefit landowners. 	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments. Stantec noted that: The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system. Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. Link to Enbridge website provided(https://www.enbridgegas.com/aboutenbridge-gas/projects/bobcaygeonproject)



Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
					Enbridge / October 28, 2021	 Enbridge provided additional information to the correspondent noting: The benefits of natural gas and a link to calculate an individual's savings estimate The natural gas pipeline is planned to be located in the municipal road right-of-way; private property should not be directly impacted During construction there may be impacts such as nuisance noise or dust, however mitigation measures will be developed (construction in daylight hours, mufflers on equipment, monitoring dust etc.) Impacts to driveways during construction may result in residences and businesses not having driveway access for a period of time. Advanced notice will be provided in this case. A customer focused open house will be held to provide scope information to residents and businesses A link to the Project on the Enbridge Gas website was provided (Bobcaygeon Community Expansion Project Enbridge Gas (https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject).
3	@gmail.com	VOH Questionnaire	September 20, 2021	 Noted proximity to the Supply Lateral Noted interest in having natural gas routed to correspondent's property, and interest in converting from current heating system of oil to natural gas 	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments. Stantec noted that: • The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system. • Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. • A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. Link to Enbridge website provided(https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject)



Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
4		VOH Questionnaire	September 20, 2021	the natural gas pipeline will affect their property.	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments.
				 Asked if the pipeline will run along the property, or if the pipeline will run along the lake side of the road. 		Stantec noted that:
	@gmail.com			 Asked if the pipeline will run along Perdue Road. Asked if the pipeline will run through Lakeview Estates, Peller Court, Victoria Place, Lonesome Pine 		 The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system.
				Cottages, Lilac Lodge Trailer Park and Green Acres Trailer Park.		 Cannot confirm in-scope or out-of-scope streets for the distribution system at this time.
						 A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses.
						Link to Enbridge website provided (https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject)
					Enbridge / October 28,	Enbridge provided additional information to the correspondent noting:
					2021	 The natural gas pipeline is planned to be located in the municipal road right-of-way; no impacts anticipated to the correspondent's property
						During construction there may be impacts such as nuisance noise or dust, however mitigation measures will be developed (construction in daylight hours, mufflers on equipment, monitoring dust etc.)
						Impacts to driveways during construction may result in residences and businesses not having driveway access for a period of time. Advanced notice will be provided in this case.
						Cannot confirm that this time which side of the road the natural gas pipeline will be located on
						 A customer focused open house will be held to provide scope information to residents and businesses
						A link to the Project on the Enbridge Gas website was provided (<u>Bobcaygeon Community Expansion Project Enbridge Gas</u> (<u>https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject</u>).
5		VOH	September	3	Stantec / October 27, 2021	Stantec thanked the correspondence for viewing the Virtual Open House.
		Questionnaire	22, 2021	 sounds sensible. Requested to be kept up to date as development occurs. 		 Noted that correspondent's information will be added to the Project contact list to provide updates on Project progress.
	@triden.com					 Link to Enbridge website provided (https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject).



Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
6		VOH Questionnaire	September 22, 2021	Noted their preference is the preliminary preferred route.	Stantec / October 27, 2021	Stantec thanked the correspondence for viewing the Virtual Open House.
	@gmail.com		,	100.01		Link to Enbridge website provided(https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject).
7	@ hotmail.com	VOH Questionnaire	September 23, 2021	 Requested to receive additional information as the process continues. Asked what the cost to individual landowners will be to hook up to the gas line. 	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments. Stantec noted that: The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system. Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. Link to Enbridge website provided (https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject) Correspondent added to the contact list.
8	@fyitech.com	VOH Questionnaire	September 24, 2021	 Asked to know more about the routing and how much of the correspondent's property will be affected Asked which side of Pigeon Lake Road Enbridge plans on using. How far off the road and on our properties are you looking at installing the pipe? As you move along the route, typically how long does it take to pass each property (i.e., how many feet a day would be your average)? Noted understanding the Enbridge will work with landowners to provide access (driveways will be affected) but would like to know if there will be any times that the properties are not accessible. Correspondent noted living in proximity to the trans-Canada pipeline in Burlington and that an emergency plan was in place. Asked what residents can expect in terms of timing of on-going safety inspections and emergency plans Noted turtle crossings routes on Pigeon Lake Road - The City of Kawartha Lakes is careful to consider their road shoulder grading to accommodate the turtles. Requested that Enbridge also consider the season when disturbing this nesting ground. Noted several historic sites – the Edgewood Dry Stone Wall at Case Manor that abuts Highway 36 for one, that need to be considered. Requested Enbridge consider the effects that vibration might 		 Enbridge thanked the correspondent for viewing the Virtual Open house and provided the following information: The natural gas pipeline is planned to be located in the municipal road right-of-way; private property should not be directly impacted. During construction there may be impacts such as nuisance noise or dust, however mitigation measures will be developed (construction in daylight hours, mufflers on equipment, monitoring dust etc.) Impacts to driveways during construction may result in residences and businesses not having driveway access for a period of time. Advanced notice will be provided in this case. Cannot confirm that this time which side of the road the natural gas pipeline will be located on A customer focused open house will be held to provide scope information to residents and businesses Information on Enbridge's commitment to delivering safe, reliable natural gas to homes and businesses (pipelines designed to meet rigorous standards, extensive pipeline integrity management program, regular monitoring of the inside and outside of pipelines etc.)



Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
				 have (wall has historical, cultural, and architectural importance). Noted appreciation in Enbridge's consultation of Indigenous Communities. Asked to speak to someone to discuss an ongoing Community initiative that is currently being undertaken. Noted that the project involves both Indigenous and Non-Indigenous community members and is a path forward to reconciliation and providing a space for education for Indigenous language learning and education and the promotion of understanding within the general public. Noted they are seeking assistance for funding and would appreciate the opportunity to share the project with Enbridge. It appears that Bobcaygeon is not on the list of communities in your "Fueling Futures" grant funding process. Requested that Bobcaygeon be added to the list of qualified towns with the pipeline project now underway. Asked who they should speak with regarding this opportunity to invest in Bobcaygeon's future and to provide an educational space that will be open to residents and our thousands of visitors each year. Requested that Enbridge consider installing bike or walking pathways over the pipeline during the process of site clean up. 		 Enbridge has and will continue to engage with the MECP. Mitigation measures will be developed for wildlife, including turtle species. Enbridge has and will continue to engage with MHSTCI to identify and evaluate built cultural heritage features along the preferred route. Enbridge welcomes the opportunity to apply though the Fueling Futures website application; happy to take this into consideration for the 2022 calendar year. Enbridge returns the land to pre-construction condition or better. A link to the Project on the Enbridge Gas website was provided (Bobcaygeon Community Expansion Project Enbridge Gas (https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject).
9	@gmail.com	VOH Questionnaire	September 28, 2021	 Noted interest in having access to natural gas to switch from oil heating. Noted that currently there are pipelines North, South, East, and West of residence. In proximity to the preliminary preferred or alternative routes as per Sept 3, 2021, letter. 	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments. Stantec noted that: • The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system. • Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. • A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. • Link to Enbridge website provided(https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject)



Table B6.3: Summary of Project Correspondence – Virtual Open House

Record	Correspondent	Туре	Date		Subject Matter	Responder/Date	Response
10		VOH Questionnaire		•	 Correspondent noted approval of project and requested that Cavan be included. 	Stantec / October 27, 2021	Stantec thanked the correspondent for viewing the Virtual Open House and for submitting questions/comments.
							Stantec noted that:
	@outlook.com						 The Virtual Open House covered the supply lateral and reinforcement, and this phase of the project does not currently include the distribution system.
							 Cannot confirm in-scope or out-of-scope streets for the distribution system at this time.
							 A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses.
							 Link to Enbridge website provided (https://www.enbridgegas.com/about-enbridgegas/projects/bobcaygeonproject)
11		Questionnaire 11	October	•	Construction on Emily Park Road will affect our	Enbridge / October 28, 2021	Enbridge thanked the correspondent for viewing the Virtual Open House.
	@gmail.com		ire 11, 2021		community every day. The proposed route will threaten agricultural land,		Enbridge noted that:
				•	forest, wetland, residential property, and trails. The 'open house' material implies that the pipeline is an inevitability, and the only input that affected		 A Virtual Open House format was selected to ensure the health and safety of the community due to the ongoing COVID-19 pandemic.
			furthe take?		 parties will be allowed is this questionnaire. What further action can residents who oppose this project take? An 'open house' implies real time discussion between interested parties – not the one-way messaging we received. 		 The proposed natural gas pipeline is planned to be primarily within the existing municipal road right-of-way, therefore impacts to natural environment are expected to be minimal.
				 Third-party consultant (Stantec) conducting the environmental study process, including proposing mitigation measures to avoid potential impacts to existing features. 			
							 Information on Enbridge's commitment to delivering safe, reliable natural gas to homes and businesses (pipelines designed to meet rigorous standards, extensive pipeline integrity management program, regular monitoring of the inside and outside of pipelines etc.).



que EGI Bobcaygeon

Submitted by: Anonymous user

Submitted time: Sep 13, 2021, 10:14:18 AM

1. What	is	your	interest	in	this	project?	
---------	----	------	----------	----	------	----------	--

Resident interested in natural gas conversion

2. What is your view of the proposed project?

bring it on ASAP

3. Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed.

none

4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.

none

5. Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?

Yes

7. Did the content provided in the Virtual Open House meet your needs?

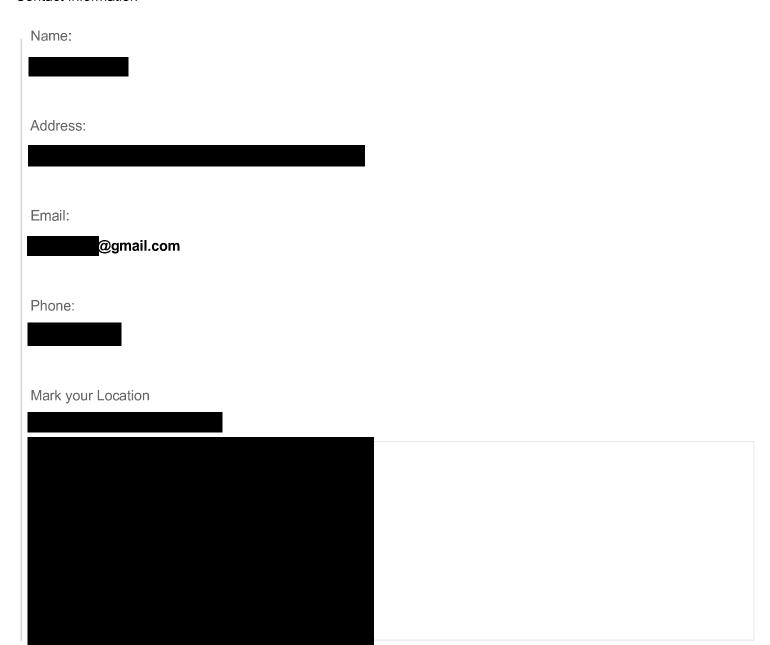
yes

8. How did you hear about the Virtual Open House?

Newspaper Advertisement

9. Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?

when will local residents know if their neighbourhoods wi be able to connect ie Victoria Place?



que_EGI_Bobcaygeon

Submitted by: Anonymous user

Submitted time: Sep 14, 2021, 3:12:52 PM

1. What is your interest in this project?

2. What is your view of the proposed project?
l hope to gain access to this pipeline for my home . I also hope it will be financially beneficial to me and my nei ghbours
4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.
l live on My family farm runs along Cork Rd . There are quite a few houses along the lake . Will we gain access?
5. Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
Yes
6. Do you require additional information about the process? Please note below:
Yes , just about access to the gas . What personal costs connected to access . The line doesn't continue to my residence on the continue to my but will border our family farm on Cork . Will this line just cause noise and inconvenience or perhaps benefit land owners
8. How did you hear about the Virtual Open House?
Contact Information
Name:
Address:

Email:	B6.3.2
@hotmail.com	
Phone:	
Mark your Location	

que_EGI_Bobcaygeon

Submitted by: Anonymous user

Submitted time: Sep 20, 2021, 5:12:21 PM

1. What is your interest in this project?
surrounding_landowner Res_interested_nat_gas
2. What is your view of the proposed project?
I think this project is good! I live at which is 830m from the proposed Supply Lateral along Centreline Road. I would like to have natural gas routed to our property too. I am more than happy to convert from our current heating system of oil to natural gas, and this would add a lifetime customer to your company.
3. Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed.
See my response to #2.
4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.
See my response to #2.
5. Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
Yes
6. Do you require additional information about the process? Please note below:
See my response to #2.
7. Did the content provided in the Virtual Open House meet your needs?

- 8. How did you hear about the Virtual Open House?
- Project Notification Letter

Yes.

9. Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?

See my response to #2.

Contact Information

Name:	
Address:	
Email:	
@gmail.com	
<u>eginum.som</u>	
Phone:	
Mark your Location	

que_EGI_Bobcaygeon

Submitted by: Anonymous user

Submitted time: Sep 20, 2021, 12:59:55 PM

- 1. What is your interest in this project?
- dir_affected_landowner surrounding_landowner Res_interested_nat_gas interested_citizen
- 2. What is your view of the proposed project?

This project is a good idea for the area. This project is long overdo as I believe and understand has been discussed and bounced around for well over 20 years.

3. Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed.

Yes, this could very well impact us. We own agricultural farm land. How will this natural gas pipe line affect our property? Will the pipeline run along on our property or will the pipeline run along lake side of the road. Will the pipeline be run along Perdue Road as there is 5 homes on Perdue Road? Will the pipeline be run through Lakeview Estates, Peller Court, Victoria Place, Lonesome Pine Cottages, Lilac Lodge Trailer Park and Green Acres Trailer Park?

5. Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?

Yes

6. Do you require additional information about the process? Please note below:

Yes, see answer to question #3

7. Did the content provided in the Virtual Open House meet your needs?

Yes.

- 8. How did you hear about the Virtual Open House?
- newspaper_advertisement project_notification_letter

9. Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?

See answer to question#3

Contact Information Name: Address: Email: @gmail.com Phone: Mark your Location





Thank you for attending the Bobcaygeon Community Expansion Project Virtual Open House! We hope the session was informative and we would appreciate your comments and feedback. If you require any assistance or clarification while completing the questionnaire, please send an email to BobcaygeonEA@stantec.com or call (519) 585-3849 and leave a detailed message. If you have a question that requires a response, please fill out the **Contact Information** section at the end of this form and a representative will respond as soon as possible.

Please complete this questionnaire by **October 13, 2021**, to be considered as part of the Environmental Report submitted to the Ontario Energy Board. Your feedback is important and will also be considered during the planning and permitting stages of the Project.

What is your interest in this project?
■ Directly affected landowner □ Business Owner □ Surrounding landowner □ Resident interested in natural gas conversion □ Interested citizen □ Member of interest group □ Government official □ Other:
What is your view of the proposed project?
I am totally in favour of a natural gas pipeline to my street and home.
Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed (i.e., access, noise, dust, traffic, etc.).
business that you would like addressed (i.e., access, holse, dust, traffic, etc.).
It is construction. We must break an egg to make an omelete.
It is construction. We must break an egg to make an omelete.
It is construction. We must break an egg to make an omelete. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the





	Were you provided with an adequate understanding of the Project and the Environment Assessment the Ontario Energy Board (OEB) review and approval process?
	x Yes
	☐ No
	Do you require additional information about the process? Please note below:
-	Yes, I most certainly would like to be kept up to date as developments occur.
_	oid the content provided in the Virtual Open House meet your needs?
Y	es, well done.
_	
H	low did you hear about the Virtual Open House? Check all that apply:
>	Newspaper Advertisement
	Project Notification Letter
	Social Media Post (i.e., Facebook)
_	Word of Mouth
) (you have any questions or comments about this project not addressed above that you uld like to bring to our attention?
0	you have any questions or comments about this project not addressed above that you uld like to bring to our attention?





Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

<u>BobcaygeonEA@stantec.com</u> or dial (519) 585-3849 and leave a detailed message.

		Contact Information
Name:		
Address:		
Email:	@triden.com	
Phone:		(form would not allow me to use Name field

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que EGI Bobcaygeon

Submitted by: Anonymous user

Submitted time: Sep 22, 2021, 5:38:06 PM

- 1. What is your interest in this project?
- dir_affected_landowner Res_interested_nat_gas
- 2. What is your view of the proposed project?

I think it is a good idea and a long time coming

3. Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed.

no not that i can think of

4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.

i perfer the perfered route

5. Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?

Yes

6. Do you require additional information about the process? Please note below:

no

7. Did the content provided in the Virtual Open House meet your needs?

yes

- 8. How did you hear about the Virtual Open House?
- Project Notification Letter

9. Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?
no
Contact Information
Name:
Address:
Email:
@gmail.com
Phone:
Mark your Location





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1.	What is your interest in this project?
	 □ Directly affected landowner □ Business Owner □ Surrounding landowner ■ Resident interested in natural gas conversion □ Interested citizen □ Member of interest group □ Government official □ Other:
2.	What is your view of the proposed project?
3.	Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed (i.e., access, noise, dust, traffic, etc.).
3.	
3.	
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3.	
	Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the
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	Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the





5.	Assessment the Ontario Energy Board (OEB) review and approval process?
	xxx Yes
	No
6.	Do you require additional information about the process? Please note below: I would like to receive any additional information as the process continues.
7.	Did the content provided in the Virtual Open House meet your needs? Yes at this time
8.	How did you hear about the Virtual Open House? Check all that apply:
	xxx Newspaper Advertisement
	Project Notification Letter
	Social Media Post (i.e., Facebook)
	Word of Mouth
9.	Do you have any questions or comments about this project not addressed above that you would like to bring to our attention? What will the Cost be to Individual Landowners to hook up to the Gas Line?





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BobcaygeonEA@stantec.com or dial (519) 585-3849 and leave a detailed message.

	Contact Information	
Name:		
Address:	· · · · · · · · · · · · · · · · · · ·	_
Email:	@hotmail.com	
Phone:		

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From:

To:

BobcaygeonEA

Subject:Bobcaygeon Community Expansion ProjectDate:Friday, September 24, 2021 8:28:47 AMAttachments:Enbridge Questionnaire responses.pdf

I had difficulty completing the questionnaire as the response font was far to small to read. I have attached it anyways but have also included my comments and responses to the questions below.

- 2. In general, I think it is good for Bobcaygeon but have some concerns and questions I would like addressed please. I would like to know more about the routing and how much of our property will be affected and would also like to ensure that, while considering wildlife, the environment and our historic sites that you please take my comments in question 4 under consideration.
- 3. I live on and own 4 properties on Pigeon Lake Road and would like to know which side of the road you plan on using. How far off the road and on to our properties are you looking at installing the pipe? As you move along the route, typically how long does it take to pass each property (i.e., how many feet a day would be your average)? I understand that you will work with us to provide access (driveways will be affected) but would like to know if there will be any times that the properties are not accessible. I lived near the trans-Canada pipeline in Burlington for a number of years and residents were provide with an emergency plan. I understand that this pipe is a smaller project but would like to know what residents can expect in the way of timing of ongoing safety inspections and emergency plans.

4.

- Pigeon Lake Road there are many well established turtle crossings routes during egg laying season and then hatching time each year. The City of Kawartha Lakes is careful to consider their road shoulder grading to accommodate the turtles. Please ensure that you also consider the season when disturbing this nesting ground.
- As you enter Bobcaygeon, there are several historic sites the Edgewood Dry Stone Wall at Case Manor that abuts Highway 36 for one, that need to be considered.
 - The wall may not be in your work area but please also consider the effects that vibration might have as it looks like you will be working in close proximity to it.
 - The recently professionally restored 130 wall is significant because of its history, cultural and architectural importance. The wall, built by W.T.C. (Willie) Boyd in 1890 thru 1891, is heritage designated. The Boyd's were instrumental in the building of the Trent Severn Waterway, operated the Trent Valley Navigation Company and played a significant role in the lumber, rail and buffalo/cattle industry locally and throughout Canada). The technique of dry stack has been recognized by UNESCO (United Nations Educational Scientific and Cultural Organization) and inscribed on the Representative List of the Intangible Cultural Heritage of Humanity for its cultural significance and technical merit.

I appreciate that great care is being taken to involve and consult our Indigenous Community. I would also like to speak to someone to discuss an ongoing Community initiative that is currently being undertaken. The project involves both our Indigenous and Non-Indigenous community members and is a path forward to reconciliation and providing a space for education for Indigenous language learning and education and the promotion of understanding within the general public. We are seeking assistance for funding and would appreciate the opportunity to share the project with Enbridge. It appears that Bobcaygeon is not on the list of communities in your "Fueling Futures"

grant funding process. I would request that Bobcaygeon be added to the list of qualified towns with the pipeline project now underway. Please advise who I could speak with regarding this opportunity to invest in Bobcaygeon's future and to provide an educational space that will be open to residents and our thousands of visitors each year.

As you move along the routes, please consider installing bike or walking pathways over the pipeline during the process of your clean up.

Contact Information:







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W	hat is your interest in this project?
	 ■ Directly affected landowner □ Business Owner □ Surrounding landowner □ Resident interested in natural gas conversion □ Interested citizen □ Member of interest group □ Government official □ Other:
W	hat is your view of the proposed project?
In g	eneral, I think it is good for Bobcaygeon but have some concerns and questions I would like addressed please. I would like to know more about the routing and how much of our property will be affected and would also like to ensure that, while con
_	
_	
	lease indicate if the project will have any potential impacts to you, your property, or your
b	usiness that you would like addressed (i.e., access, noise, dust, traffic, etc.).
b	
PI R R	Lease identify any features along the Preliminary Preferred Route or Alternative oute for the Supply Lateral and the Preliminary Preferred Route or Alternative oute for the Reinforcement that you feel are important to consider during the
PI R R ei	usiness that you would like addressed (i.e., access, noise, dust, traffic, etc.). The on and own 4 properties on Pigeon Lake Road and would like to know which side of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the route, typically how long the pipe? As you move along the pipe? As you move alo
PI R R ei	Justiness that you would like addressed (i.e., access, noise, dust, traffic, etc.). The on and own 4 properties on Pigeon Lake Road and would like to know which side of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the road on to our properties are you looking at installing the pipe? As you move along the route, typically how long the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you look in the road you
PI R R ei	Justiness that you would like addressed (i.e., access, noise, dust, traffic, etc.). The on and own 4 properties on Pigeon Lake Road and would like to know which side of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the road on to our properties are you looking at installing the pipe? As you move along the route, typically how long the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you plan on to our properties are you looking at installing the pipe? As you move along the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the road you look in the road you
PI R R ei	Justiness that you would like addressed (i.e., access, noise, dust, traffic, etc.). The on and own 4 properties on Pigeon Lake Road and would like to know which side of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road you plan on using. How far off the road an on to our properties are you looking at installing the pipe? As you move along the route, typically how long the second of the road and the pipe? As you move along the route, typically how long the road and the pipe? As you move along the route, typically how long the road and the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the route, typically how long the road and to our properties are you looking at installing the pipe? As you move along the road, our properties are you looking at installing the pipe? As you move along the road on the road you plan on using. How far off the road and no to our properties are you looking at installing the pipe? As you move along the road on to our properties are you looking at installing the pipe? As you move along the road on to our properties are you looking at installing the pipe? As you move along the road on to our properties are you looking at installing the pipe? As you move along the road on the road you plan on to our properties are you looking at installing the pipe? As you move along the road you plan on to our properties are you looking at installing the pipe? As you move along the road you looking at installing the pipe





5.	Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
	Yes
	□ No
6.	Do you require additional information about the process? Please note below:
	Who has the final say on what features disturb and properties you can access.
7.	Did the content provided in the Virtual Open House meet your needs?
	It was well done but it reigned avacations that I have noted above
	It was well done but it raised questions that I have noted above.
8.	How did you hear about the Virtual Open House? Check all that apply:
	Newspaper Advertisement
	Project Notification Letter
	Social Media Post (i.e., Facebook)
	Word of Mouth
9.	Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?
	I appreciate that great care is being taken to involve and consult our Indigenous Community. I would also like to speak to someone to discuss an ongoing Community initiative that is currently being undertaken. The project involves both our Indigenous
	As you move along the routes, please consider installing bike or walking pathways over the pipeline during the process of your clean up.





Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

BobcaygeonEA@stantec.com or dial (519) 585-3849 and leave a detailed message.

	Contact Information	
Name:		
Address:		
Email:	@fyitech.com	
Phone:		

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	What is your interest in this project?
	 □ Directly affected landowner □ Business Owner □ Surrounding landowner
	■ Resident interested in natural gas conversion ■ Interested citizen
	☐ Member of interest group
	☐ Government official ☐ Other:
١	What is your view of the proposed project?
Ī	I would like to be included to have access to natural gas for my home, so that I can switch from oil heating.
(Currently there are pipelines North, South, East and West of my home.
((I have asked for access every year.)
	Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed (i.e. access noise dust traffic etc.)
_	Please indicate if the project will have any potential impacts to you, your property, or your business that you would like addressed (i.e., access, noise, dust, traffic, etc.). I am in proximity to preliminary preferred or alternate routes as per Sep 3,2021 letter mailed to my home.
- - - -	business that you would like addressed (i.e., access, noise, dust, traffic, etc.). I am in proximity to preliminary preferred or alternate routes as per Sep 3,2021 letter mailed to my home. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative
	business that you would like addressed (i.e., access, noise, dust, traffic, etc.). I am in proximity to preliminary preferred or alternate routes as per Sep 3,2021 letter mailed to my home. Please identify any features along the Preliminary Preferred Route or Alternative
- - - -	business that you would like addressed (i.e., access, noise, dust, traffic, etc.). I am in proximity to preliminary preferred or alternate routes as per Sep 3,2021 letter mailed to my home. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.
	business that you would like addressed (i.e., access, noise, dust, traffic, etc.). I am in proximity to preliminary preferred or alternate routes as per Sep 3,2021 letter mailed to my home. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the environmental study.





[[Yes
[
	No
. 1	Do you require additional information about the process? Please note below:
i	it would be more helpful if a direct link was provided to submit the questionaire.
_	
-	
-	
. !	Did the content provided in the Virtual Open House meet your needs?
_	
-	
_	
-	
. I	How did you hear about the Virtual Open House? Check all that apply:
[Newspaper Advertisement
ſ	X Project Notification Letter
[Social Media Post (i.e., Facebook)
ſ	Word of Mouth
	Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?
Ī	I would like to be included to have access to natural gas for my home, so that I can switch from oil heating.
(Currently there are pipelines North, South, East and West of my home and I still do not have access.





Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

BobcaygeonEA@stantec.com or dial (519) 585-3849 and leave a detailed message.

	Contact Information
Name:	
Address:	(Name:
Email:	@gmail.com
Phone:	
	-

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I AM ALL FOR THE PROSECT I OF WISH SUNSET DRIVE, CAVAN ONTHRIC	uring	the planning and permitting stages of the Project.
□ Business Owner □ Surrounding landowner □ Resident interested in natural gas conversion □ Interested citizen □ Member of interest group □ Government official □ Other: □ 2. What is your view of the proposed project? □ TAM ALC FOR THE PROJECT TO NOTABLE PROJECT TO NOTABLE PLANTS. 3. Please indicate if the project will have any potential impacts to you, your property business that you would like addressed (i.e., access, noise, dust, traffic, etc.). □ NO NE 4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the	1.	What is your interest in this project?
TAM ALC FOR THE PROJECT TO NUMBER OF SUMSET DRIVE, CAVAN ONTHRICE PART OF SUME PLANS. 3. Please indicate if the project will have any potential impacts to you, your property business that you would like addressed (i.e., access, noise, dust, traffic, etc.). ADDRE 4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the		 ☐ Business Owner ☐ Surrounding landowner ☒ Resident interested in natural gas conversion ☐ Interested citizen ☐ Member of interest group ☐ Government official
APPLIANS Please indicate if the project will have any potential impacts to you, your property business that you would like addressed (i.e., access, noise, dust, traffic, etc.). ADDRE PLANS ADDR	2.	What is your view of the proposed project?
4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the		WISH SUNSET DRIVE, CAVAN ONTHRIO WAS
4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the	3.	Please indicate if the project will have any potential impacts to you, your property, or your
4. Please identify any features along the Preliminary Preferred Route or Alternative Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the		business that you would like addressed (i.e., access, noise, dust, traffic, etc.).
Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the		NONE
Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the		
FOR EXPANSION PLANS TO SUNSET ?	4.	Route for the Supply Lateral and the Preliminary Preferred Route or Alternative Route for the Reinforcement that you feel are important to consider during the
FOR EXPANSION PLANS TO SUNSET !		LOOK FINE TO ME I ONLY WISH
		FOR EXPANSION PLANS TO SUNSET DRIVE IN





5.	Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
	Yes
	□ No
6.	Do you require additional information about the process? Please note below:
	NO. ONLY IF PROJECT HAS ANY ADDITIONAL UPDATES.
7.	Did the content provided in the Virtual Open House meet your needs?
	YES
8.	How did you hear about the Virtual Open House? Check all that apply:
	Newspaper Advertisement
	Project Notification Letter
	Social Media Post (i.e., Facebook)
	Word of Mouth
9.	Do you have any questions or comments about this project not addressed above that you would like to bring to our attention?
	AGAINS HOPING FOR FUTURE EXPANSION
	70



Bobcaygeon Community Expansion Project Virtual Open House Questionnaire



Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

<u>BobcaygeonEA@stantec.com</u> or dial (519) 585-3849 and leave a detailed message.

	Contact Information
Name:	
Address:	
Email:	boutlook con
Phone:	

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act. This information will be used to assist Enbridge Gas Inc. in meeting applicable approval requirements. This material will be maintained on file for use during the study and may be included in project documentation. Unless indicated otherwise, personal information and all comments will become part of the public record and may be publicly released as part of project documentation.

P.S. THANKS FOR YOUR RETURN

Call. IT DID GIVE ME MORE

HOPE THAN I WAS EXPECTING.

SEE YOU ON SUNSET DRIVE

ONE DAY... LoL.





Bobcaygeon Community Expansion Project Virtual Open House Questionnaire

Thank you for attending the Bobcaygeon Community Expansion Project Virtual Open House! We hope the session was informative and we would appreciate your comments and feedback. If you require any assistance or clarification while completing the questionnaire, please send an email to BobcaygeonEA@stantec.com or call (519) 585-3849 and leave a detailed message. If you have a question that requires a response, please fill out the **Contact Information** section at the end of this form and a representative will respond as soon as possible.

Please complete this questionnaire by **October 13, 2021**, to be considered as part of the Environmental Report submitted to the Ontario Energy Board. Your feedback is important and will also be considered during the planning and permitting stages of the Project.

1.	what is your interest in this project?							
	☐ Directly affected landowner							
	□ Business Owner							
	☑ Surrounding landowner							
	☐ Resident interested in natural gas conversion							
	☐ Interested citizen							
	☐ Member of interest group							
	☐ Government official							
	☐ Other:							
2.	What is your view of the proposed project?							
	Investing \$68 million into an unsustainable fossil fuel during a climate emergency is infuriatingly short-sighted and wasteful							
	We don't believe that a gas pipeline is something that the permanent residents of this area want or need.							
	It certainly isn't something that the plants, fish, and wildlife in this area want or need.							
	Clean water, soil, and air, and a safe environment for plants, animals, and humans is what we need.							
	Lining the pockets of a company known for repeatedly violating environmental laws is not what we need.							
	Yes. Construction on Emily Park Road will affect our commute every day.							
	Hundreds of people have lost their lives to natural gas pipeline explosions, and this project will put everyone that lives on							
	or travels along this route at risk.							
4.	Please identify any features along the Preliminary Preferred Route or Alternative							
	Route for the Supply Lateral and the Preliminary Preferred Route or Alternative							
	Route for the Reinforcement that you feel are important to consider during the environmental study.							
	The proposed route will threaten agricultural land, forest, wetland, residential property, and trails.							
	<u>-</u>							





Bobcaygeon Community Expansion Project Virtual Open House Questionnaire

Were you provided with an adequate understanding of the Project and the Environmental Assessment the Ontario Energy Board (OEB) review and approval process?
Yes
X No
Do you require additional information about the process? Please note below:
The "open house" material implies that the pipeline is an inevitability, and the only input that affected parties will be allowed is this questionnaire. What further action can residents who oppose this project take?
Did the content provided in the Virtual Open House meet your needs?
No. An "open house" implies real time discussion between interested parties - not the one-way messaging we received.
How did you hear about the Virtual Open House? Check all that apply: Newspaper Advertisement
How did you hear about the Virtual Open House? Check all that apply: Newspaper Advertisement X Project Notification Letter
Newspaper Advertisement
Newspaper Advertisement X Project Notification Letter
Newspaper Advertisement X Project Notification Letter Social Media Post (i.e., Facebook)
Newspaper Advertisement X Project Notification Letter Social Media Post (i.e., Facebook) Word of Mouth Do you have any questions or comments about this project not addressed above that you
Newspaper Advertisement X Project Notification Letter Social Media Post (i.e., Facebook) Word of Mouth Do you have any questions or comments about this project not addressed above that you would like to bring to our attention? Enbridge is responsible for hundreds of oil spills, including the largest inland oil spill in the US. Their disregard for safety and for our environment has resulted in hundreds of thousands of barrels of crude oil being released into the
Newspaper Advertisement X Project Notification Letter Social Media Post (i.e., Facebook) Word of Mouth Do you have any questions or comments about this project not addressed above that you would like to bring to our attention? Enbridge is responsible for hundreds of oil spills, including the largest inland oil spill in the US. Their disregard for



Bobcaygeon Community Expansion Project Virtual Open House Questionnaire



Thank you for completing this questionnaire. If you would like to be informed of project updates, please provide us with your full contact information. If you have a question about the project that has not been addressed or for which you would like more information, please email us at:

<u>BobcaygeonEA@stantec.com</u> or dial (519) 585-3849 and leave a detailed message.

	j	Contact Information	
Name:			
Address:			
Email:			
Phone:	()		

Information will be collected and used in accordance with the Freedom of Information and Protection of Privacy Act. This information will be used to assist Enbridge Gas Inc. in meeting applicable approval requirements. This material will be maintained on file for use during the study and may be included in project documentation. Unless indicated otherwise, personal information and all comments will become part of the public record and may be publicly released as part of project documentation.

Appendix B6.4 – Project Correspondence

Table B6.4: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Type	Date	Subject Matter	Responder/Date	Response			
Notice o	Notice of Commencement and Virtual Open House published in local newspapers on September 2, 2021 and September 9, 2021								
Notice o	Notice of Commencement and Virtual Open House mailed via Canada Post unaddressed Ad-mail September 7, 2021								
1		Phone call (voicemail)		Called requesting more information on the pipeline and its proposed location.	Stantec / September 14, 2021	Called resident back. Discussed the intent of this phase of the Project and noted that the distribution system will be presented to residents and businesses during a future open house. The link to the Virtual Open House and a direct link to the Questionnaire were provided.			
2		Phone call (voicemail)	September 9, 2021	Inquired if there are future plans for the pipeline to extend down County Road 10 and Meadowview Road.	Stantec / September 14, 2021	No response. Left a voicemail noting the distribution lines will be discussed with residents and businesses during a future Open House. Noted the Virtual Open House website link and provided email address.			
3		Phone call (voicemail)	September 10, 2021	Noted residence is Glenarm, west of Fenelon Falls (approximately 20 km).	Stantec / September 14, 2021	No response. Left a voicemail noting the Notice of Commencement and Virtual Open House is distributed in a general area around the proposed project to ensure all potentially interested residents and businesses are notified. Noted the Virtual Open House website link and provided phone number.			
4	4 En @gmail.com		September 11, 2021	Requested information on the distribution lines, noted they are close	Stantec / September 15, 2021	Stantec thanked the correspondent for reaching out regarding the Bobcaygeon Community Expansion Project.			
				to the Preliminary Preferred Route for the Western Reinforcement component of the Project.		Stantec noted that:			
						 This Phase of the project covers the supply lateral and reinforcement components. The distribution system is not part of this phase of the project. 			
						Cannot confirm in-scope or out-of-scope streets for the distribution system at this time.			
						 A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. 			
						 Provided a link to the Virtual Open House (available from September 13 to September 27): https://www.solutions.ca/bobcaygeonea/." 			
5	@live.com	Email	September 11, 2021	Noted residence is on the west side of Balsam Lake, asked if they received	Stantec / September 15, 2021	Stantec thanked the correspondent for reaching out regarding the Bobcaygeon Community Expansion Project:			
	© 5.55			the NoCVOH in error or if there is an alternate pipeline that they are not		Stantec noted that:			
				aware of.		 To ensure that all potentially interested residents and businesses in and around the Study Areas are notified of the Project, the Notice of Commencement and Virtual Open House letter was sent out to several mailing routes in the area. These routes are determined by Canada Post; they often cover a large geographic area. 			
						 Provided a link to the Virtual Open House (available from September 13 to September 27): https://www.solutions.ca/bobcaygeonea/." 			
6		Phone call (voicemail)	hone call September 13, 2021	Called requesting information on the proposed Project and noted they have a specific question regarding the project but did not state what the question was.	Stantec / September 14, 2021	No response. Left a voicemail noting phone number to call back and information on the Virtual Open House.			
					Stantec / November 12, 2021	Stantec called back on November 12, 2021. Spoke with landowner and discussed the phases of the Project. Landowner requested contact information for the customer connection department at Enbridge (noted interest in converting to natural gas.			



Appendix B6.4 – Project Correspondence

Table B6.4: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
					Stantec / November 23, 2021	Stantec sent an email to the landowner and included a link to the Project website and a link to the customer connection page on the Enbridge Gas website.
7		Phone call (voicemail)	September 13, 2021	Noted residence is along Northside Road, requested information on whether the gas lines would be running to residences in the area.	Stantec / September 14, 2021	Stantec called the landowner back. Discussed the intent of this phase of the Project and noted that the distribution system will be presented to the residents and businesses during a future open house. Mentioned the Virtual Open House website is available from September 13-27 and that the link is noted on the NoCVOH letter.
8		Phone call (voicemail)	September 13, 2021	Called requesting information on the environmental study process, noted limited access to the internet.	Stantec / September 14, 2021	Stantec called landowner, no response. Left a voicemail and provided phone number to call back and noted that hard copy materials from the Virtual Open House (presentation slides, script, questionnaire) can be mailed directly if requested.
					Stantec / November 12, 2021	Stantec called back November 12 – no response, voicemail left.
9		Phone call (voicemail)		Called requesting information on connecting home to natural gas.	Stantec / September 17-2021	Stantec called the landowner back. Discussed the intent of this phase of the Project and noted that the distribution system will be presented to the residents and businesses during a future open house. Mentioned the Virtual Open House website is available from September 13-27 and that the link is noted on the NoCVOH letter.
10		Phone call (voicemail)	September 14 ^{th,} 2021	Noted that their home address is just outside of the environmental study area. Called requesting information on connecting home to natural gas.	Stantec / September 17-2021	Stantec called the landowner back. Discussed the intent of this phase of the Project and noted that the distribution system will be presented to the residents and businesses during a future open house. Mentioned the Virtual Open House website is available from September 13-27 and that the link is noted on the NoCVOH letter.
11	@xplornet.com)	Email	September 18 th , 2021	Noted residence is in a community outside of the Project Study Area. Asked if the pipeline does extend through their community if residents will have the opportunity to have natural gas hooked up to their homes.	Stantec / September 27, 2021	Stantec thanked the correspondent for reaching out regarding the Bobcaygeon Community Expansion Project. Stantec noted that: This Phase of the project covers the supply lateral and reinforcement components. The distribution system is not part of this phase of the project. Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses. Provided a link to the Enbridge Gas website: https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject
12	(@gmail.com)	Email	September 21 st , 2021	Inquired whether the project will service communities and houses that are along the route. Noted residence is within the Study Area where the preliminary preferred route will pass.	Enbridge / September 21, 2021	Stantec thanked the correspondent for reaching out regarding the Bobcaygeon Community Expansion Project. Stantec noted that: This Phase of the project covers the supply lateral and reinforcement components. The distribution system is not part of this phase of the project. Cannot confirm in-scope or out-of-scope streets for the distribution system at this time. A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses.



Appendix B6.4 – Project Correspondence

Table B6.4: Summary of Project Correspondence – Landowner / Residents

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
13		Phone call (voicemail)	September 20 th , 2021	With Badger Inc. – asked to be considered for any hydro-vac work associated with the Project.	Enbridge / November 17, 2021	Enbridge responded to the inquiry from Badger Inc. and noted that NPL had been awarded as the prime contractor for the Project. Enbridge noted that for further information on providing services on the Project, contact should be made with NPL.
14		Phone call	September 24 th , 2021	Left a voicemail and requested information on the Project.	Stantec / September 24, 2021	Stantec called back and spoke with resident. Lives on Sunset Drive (not along the routes or within study area). Noted that he and several other residences in proximity would like access to natural gas if expansion in the area ever becomes feasible. Will complete the VOH questionnaire and submit to the Project email. Requested to be kept informed on the Project.
	@outlook.com					
15		Phone call	September 24 th , 2021	Left a voicemail and requested information on the Project	Stantec / September 27, 2021	Stantec called back – no response, voicemail left. Will try calling back September 28.
					Stantec / September 28, 2021	Stantec called back September 28 – no response.
					Stantec / November 12, 2021	Stantec called back November 12 – no response, voicemail left.
16	@kawarthalakes.ca	Email	September 28 th , 2021	Inquired about the Project, noted that a coworker shared the NoCVOH. Residence is located in the Study Area. Requested to be called to discuss a few questions.	Stantec / September 28, 2021	Called back. Discussed the intent of this phase of the Project and noted that the distribution system will be presented to the residents and businesses during a future open house. Mentioned the Virtual Open House – resident was able to view the VOH while it was live. Stantec committed to sending the VOH materials via email and including resident on the contact list to receive future project notifications.
					Stantec / October 1, 2021	Consultation materials emailed to resident on September 29, 2021. The files were too large for the email, so Stantec sent a follow-up email October 1, 2021, with a link to the Project website.
17		Email	October 10 th , 2021	Contacted Project team and noted several properties in the Study Area and asked if there is potential for these	Stantec / October 21, 2021	Stantec thanked the correspondent for reaching out regarding the Bobcaygeon Community Expansion Project.
				properties to be serviced by the		Stantec noted that:
	@rogers.com			proposed natural gas lines.		This Phase of the project covers the supply lateral and reinforcement components. The distribution system is not part of this phase of the project.
						Cannot confirm in-scope or out-of-scope streets for the distribution system at this time.
						 A customer-focused open house will be held when Enbridge is able to provide scope information to residents and businesses.
18	@gmail.com	Email	October 29 th , 2021	Contacted the Project team regarding their property and the close proximity to the Western Reinforcement. Noted the presence of windbreak trees along property line that serve as erosion control measures and habitat for birds and small mammals. Noted preference for the Preliminary Preferred Route along Highway 35.	Stantec / November 1, 2021	Stantec thanked the correspondent for providing their comments regarding the Project and noted that Enbridge is committed to minimizing the effects of its projects and operations on the environment, and that the comments will be captured in the Environmental Report. Stantec provide a link to the Project website.



Hartwig, Emily From:

To: Cc:

BobcaygeonEA; sarah.kingdon-benson@enbridge.com

Subject: RE: Attn Emily Hartwig> Bobcaygeon gas line Date: Wednesday, September 15, 2021 11:07:00 AM

Good morning



Thank-you for reaching out regarding the proposed Enbridge Gas Inc. Bobcaygeon Community **Expansion Project.**

The area of Pigeon Creek Road is considered to be in the proximity of Preliminary Preferred Route for a section of the pipeline slated for reinforcement. An interactive map showing the proposed study areas is available on the Virtual Open House. The Virtual Open House website is accessible from September 13 to September 27. Please use the following link if you would like to review the Virtual Open House: https://www.solutions.ca/bobcaygeonea/

Regarding your question about a distribution line down Pigeon Creek Road, Enbridge Gas is in the early stages of this Project. The focus of this Virtual Open House is the supply lateral and reinforcement and does not currently include the distribution system. Enbridge Gas is working on the scope for the Project, which considers several factors to minimize social and environmental impacts and serve the greatest number of customers that is economically feasible. A customer-focused Open House will be held in the future to discuss scope information to residents and businesses.

Should you have any further questions or concerns, please do not hesitate to reach out.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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@gmail.com> Sent: Saturday, September 11, 2021 9:36 AM

To: BobcaygeonEA <BobcaygeonEA@stantec.com> Subject: Attn Emily Hartwig> Bobcaygeon gas line

I recently received from Stantec, information on the proposed gas line to Bobcaygeon. It was sent because we live in the "proximity" of the proposed line. -- Actually we live a considerable distance from this line but thanks for the info. What I would like to know is the information on the map in an area south of Janetville, where I **do** live in close proximity. What do I need to know about a "Preliminary Preferred Route for Replacement" as highlighted on the map, in the area of Pigeon Creek Road? Oh, and by the way, if you would like to run a gas line down Pigeon Creek Road east of Janetville, that would be fine since most of us right now are on higher priced propane.

From: Hartwig, Emily

To: Cc:

BobcaygeonEA; sarah.kingdon-benson@enbridge.com

Subject:

RE: Enbridge gas line

Date:

Wednesday, September 15, 2021 11:20:00 AM

Good morning



Thank-you for reaching out regarding the proposed Enbridge Gas Inc. Bobcaygeon Community **Expansion Project.**

To ensure that all potentially interested residents and businesses in and around the Study Areas are notified of the Project, the Notice of Commencement and Virtual Open House letter was sent out to several mailing routes in the area. As these routes are determined by Canada Post, they often cover a large geographic area.

If you are interested in learning more about the Project, the Virtual Open House is available online from September 13 to September 27: https://www.solutions.ca/bobcaygeonea/.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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< @live.com>

Sent: Saturday, September 11, 2021 8:45 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: Enbridge gas line

Hello Emily,

I received a copy of the Bobcaygeon Community Expansion Project letter in my mailbox on September 10, 2021, however, I live on the west side of Balsam Lake which is approximately a 40 minute drive west from the proposed pipeline.

Did I receive this letter in error or is there an alternate pipeline route I am not aware of?

Best Regards,

Sent from Outlook

From: <u>Hartwig, Emily</u>

To: @gmail.com

Cc: BobcaygeonEA

Subject: Enbridge Gas - Bobcaygeon Community Expansion Project

Date: Tuesday, November 23, 2021 10:26:00 AM

Good morning,

Thank-you for taking the time to reach out regarding the proposed Enbridge Gas Bobcaygeon Community Expansion Project.

Project details and updates can be found on the Enbridge gas website here: https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject

Information on converting to natural gas and the customer connection phone number can be found here: https://www.enbridgegas.com/residential/new-customers/switch-to-gas

If you have any further questions or concerns please let me know.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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From: <u>Hartwig, Emily</u>

To: @xplornet.com

Cc: BobcaygeonEA

Subject: RE: Proposed Enbridge routes

Date: Monday, September 27, 2021 8:48:00 PM

Good evening

Thank-you for reaching out regarding the proposed Bobcaygeon Community Expansion Project.

We are in the early stages of the Project. As such, the focus of the first Virtual Open House is the supply lateral and reinforcement and does not currently include the distribution system. At this time we are not able to confirm in-scope or out-of-scope streets for the distribution system. We are working on the scope for this project which considers several factors, and will focus on minimizing social and environmental impacts and serving the greatest number of customers that is economically feasible. A customer-focused open house will be held when we are able to provide scope information to residents and businesses.

More information on the proposed project can be found on the Enbridge Gas website: https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject

If you have any further questions or concerns, please let me know.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: @xplornet.com

Sent: Saturday, September 18, 2021 11:50 AM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: Proposed Enbridge routes

Hello,

We currently reside in the Village of Reaboro, corner of and and we received the letter to 'landowner/resident' as the proposed Enbridge Gas routes may impact our area.

If the pipeline does go through Reaboro, will residents here have the opportunity to have natural gas hooked up to their homes?

and

From: <u>Sarah Kingdon-Benson</u>

To:

Subject: RE: [External] Re: Bobcaygeon Community Expansion Project

Date: Tuesday, September 21, 2021 3:22:15 PM

Hi ,

Thank-you for your interest in the Bobcaygeon Community Expansion Project.

We are at the early stages of this project. As such, the focus is the supply lateral and reinforcement and does not currently include the distribution system, which is why we are not able to confirm inscope or out-of-scope streets. We are working on the scope for this project, which considers several factors, and will focus on minimizing social and environmental impacts and serving the greatest number of customers that is economically feasible.

We will be hosting a customer-focused open house when we are able to provide scope information to residents and businesses.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

Safety. Integrity. Respect. Inclusion.

From: < @gmail.com>

Sent: Tuesday, September 21, 2021 2:12 PM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com> **Subject:** [External] Re: Bobcaygeon Community Expansion Project

EXTERNAL: PLEASE PROCEED WITH CAUTION.

This e-mail has originated from outside of the organization. Do not respond, click on links or open attachments unless you recognize the sender or know the content is safe.

Hi Sarah,

Happy to see natural gas coming to Bobcaygeon.

Will the project service communities and houses that are on the way of the line - specifically our house is on Pigeon lake rd where the proposed lateral will pass.

Thank you!

From: Sarah Kingdon-Benson To: @badgerinc.com

Cc: **BobcaygeonEA**

Subject: Enbridge Gas Bobcaygeon Community Expansion Project

Date: Wednesday, November 17, 2021 3:31:57 PM



I apologize for not getting back to you sooner. Stantec passed along your request about providing a quote for hydro-vac services for our Bobcaygeon Community Expansion Project.

This project has been awarded to NPL as the prime contractor. For further information on providing services on this project, you can reach out to NPL.

Let me know if you have any questions.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: Hartwig, Emily
To:

Subject: FW: Bobcaygeon Community Expansion Project - Virtual Open House Materials

Date: Friday, October 1, 2021 9:31:00 AM

Good morning

My apologies – I tried sending the email below on Wednesday but the attachments were too large to send via email. All three documents noted below can be found on the Enbridge Gas website here: https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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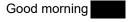
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From: Hartwig, Emily

Sent: Wednesday, September 29, 2021 9:26 AM **To:** @kawarthalakes.ca>

Cc: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: Bobcaygeon Community Expansion Project - Virtual Open House Materials



Thank-you for your interest in the Bobcaygeon Community Expansion Project and our conversation yesterday morning. As promised, please find attached the presentation slides and script from the Virtual Open House as well as the questionnaire.

Should you have any further questions or concerns please do not hesitate to reach out.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4 From: <u>Hartwig, Emily</u>

To: ; BobcaygeonEA

Subject: RE: Natural Gas Pipe Line in Bobcaygeon

Date: Thursday, October 21, 2021 4:21:00 PM

Good afternoon

My apologies for the delay in this response and thank-you for your interest in the Bobcaygeon Community Expansion Project.

We are at the early stages of the project. As such, the focus is the supply lateral and reinforcement and does not currently include the distribution system, and at this time we are not able to confirm in-scope or out-of-scope streets. We are working on the scope for this project which will consider several factors, and will focus on minimizing social and environmental impacts and serving the greatest number of customers that is economically feasible.

We will be hosting a customer-focused open house when we are able to provide scope information to residences and businesses.

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emilv.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Dad's email < @rogers.com>

Sent: Sunday, October 10, 2021 1:36 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: | @rogers.com>; | @outlook.com>

Subject: Natural Gas Pipe Line in Bobcaygeon

Emily Hartwig

Environmental Consultant Stantec Consulting LTD

Dear Emily,

My Name is , I have Owned 5 lots in Bobcaygeon for over 50 Years.

The Lots are located near the end of the proposed Pipe Line in Bobcaygeon.

on Main St. and on Helen St. All are on one Parcel.
on Main St. has a 1800 square feet commercial Building on it.
on Main St. has my private Residence with Addition on it.
2 Residential and one Commercial Lot at Duke and Helen St.s are empty.
The Helen St Lots have the potential to be divided if approved.
Currently all Lots have Town Water Connections.

My Question is this? Would the proposed gas Lines be installed to the Lot Lines on Helen ST. and to the commercial and residential Buildings on Main St?



 From:
 Hartwig, Emily

 To:
 BobcaygeonEA

Subject: RE: Bobcaygen Community Expansion Project

Date: Monday, November 1, 2021 1:51:00 PM

Good afternoon.

Thank-you for providing your comments regarding the Bobcaygeon Community Expansion Project.

Enbridge Gas is committed to minimizing the effects of its projects and operations on the environment and as such, your comments will be captured in the Environmental Report.

More information on the proposed project can be found on the Enbridge Gas website: https://www.enbridgegas.com/about-enbridge-gas/projects/bobcaygeonproject\

If you have any further questions or concerns please let me know.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

Stantec

100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: @gmail.com>

Sent: Friday, October 29, 2021 8:26 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com> **Subject:** Bobcaygen Community Expansion Project

Dear Emily,

Your notice of the Virtual Open House and questionnaire regarding the Enbridge Gas Inc.

Bobcaygeon Community Expansion Project arrived during a busy time of year for me here on the farm. I wanted to provide input to your environmental impact assessment to help you determine the route for the Reinforcement portion of the project.

I own the farm at which includes land on both sides of St Mary's Road between

Bethany Hills Road and Fleetwood Road. My family has established important spruce wind breaks along the East and West sides of St Mary's Road. Prior to the establishment of these windbreaks St Mary's Road was prone to significant snow drifting in winter time which would often make driving hazardous due to drifting snow and/or whiteout conditions. Some of the windbreak trees are now 28 years old and provide important wind protection to prevent soil erosion on adjacent fields and to support improved growing conditions and crop yields. The trees also provide important habitat and wildlife corridors for birds and small mammals. The light soils in our area are prone to wind erosion and the relatively high elevation of St Mary's Road and the often strong prevailing West winds make these windbreaks quite important environmental features of the Alternative Route for Reinforcement.

Given the strong winds, soils sensitive to wind erosion, and the well-established wind breaks on both the East and West side of St Mary's Road I would encourage Enbridge to use the Preliminary Preferred Route for the Reinforcement along Highway 35.

Thank you for your time and consideration, Stephen Moore



Appendix B6.5 – Project Correspondence

Table B6.5: Summary of Project Correspondence – Ontario Pipeline Coordinating Committee (OPCC)

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
1	A link to the Environr of Cavan-Monaghan,	•			tion Authority contacts a	nd representatives from the City of Kawartha Lakes and The Township
2	A reminder was sent	via email on	January 5, 2022, t	o individuals who received the email on December 3, 2021, that the c	omments on the Environ	mental Report are due January 17, 2022.
3	Bryan Robinson Director of Public Works City of Kawartha Lakes	Email	January 5, 2022	The representative from the City of Kawartha Lakes noted that the Public Works Department had no concerns with the Project provided that a suitable and acceptable running line can be established.	N/A	N/A
4	Alexandre Gitkow Corridor Management Officer (Utility) Ministry of Transportation (MTO)	Letter via Email	January 6, 2022	The representative from the MTO provided a letter via email and included the following comments pertaining to the Environmental Report: • Table 1.1 Summary of Potential Environmental Permit and Approval Requirements does not mention MTO permits requirement • Request that Cheryl Tolles be removed from Appendix B1: Indigenous, and External Agencies Contact Lists	Enbridge / January 21, 2022	Enbridge responded thanking the MTO for their comments and acknowledging the designs provided by the MTO after the December 1, 2021, meeting. Enbridge noted they are currently reviewing the plans and taking MTO's future plans into consideration during the Project design process. Enbridge also noted that there are 2 phases for the project under the LTC application – the supply lateral and Part 1 of the reinforcement (eastern portion), and that the MTO has stated there are no concerns with this portion of the Project. A separate LTC application will be submitted for Part 2 of the reinforcement once a design has been finalized and MTO concerns have been addressed. The environmental studies will then be updated for this new application.
5	Kourosh Manouchehri Engineer, Fuels Technical Standards and Safety Authority (TSSA)	Letter via Email	January 6, 2022	The representative from the TSSA provided comments on the Project (TSSA file SR#294002) noting that the Project so far has been reviewed on the technical aspects of the project including design, material specification, wall thickness calculation and stress on the pipe wall thickness on the maximum operating pressure. TSSA did not find any non-compliances to the regulation or the adopted standard.	N/A	N/A
6	Monique Charette Management Biologist Ministry of Environment, Conservation and Parks (MECP)	Email	January 6, 2022	The representative from the MECP noted prior Project correspondence and noted that since the species at risk review is a proponent process, inquired if a request for species at risk comments would be coming at a later date.	Enbridge / January 7, 2022	Enbridge responded indicating that the initial comments circulated on October 25, 2021, had been received and have been incorporated into the Environmental Report. Enbridge noted that they intend to reach out this year through the submission of an Information Gathering Form to confirm no Species at Risk permits will be required for the Project.
7	Amanda Rodek Program Analyst MTO	Email	January 12, 2022	The representative from the MTO responded to the email sent on December 3 to Tony Di Fabio regarding the ER OPCC review and referred to the comments submitted via letter on January 6 (see line item 2), stating the MTO has no additional comments.	Stantec / March 3, 2022	Stantec thanked the representative for their reply.
8	Jack Mallon Heritage Planner	Email	January 14, 2022	The representative from the MHSTCI asked to be provided with a copy of the ER or to be directed to the report's location from the website link provided by Enbridge on December 3, 2021.	Stantec / January 14, 2022	Stantec replied and provided instructions on how to access the ER from the website link provided by Enbridge



Appendix B6.5 – Project Correspondence

Table B6.5: Summary of Project Correspondence – Ontario Pipeline Coordinating Committee (OPCC)

Record	Correspondent	Туре	Date	Subject Matter	Responder/Date	Response
9	Ministry of Heritage, Sport, Tourism and Culture Industries (MHSTCI)	Email	January 17, 2022	 The representative from the MHSTCI provided comments on the ER and noted the following: The Stage 1 AA has been submitted and is under review Recommend a Stage 2 AA (or further stages of AAs, if recommended) be undertaken as early as possible during detailed design and prior to any ground disturbing activities Referred to the MHSTCI letter provided on October 14, 2021, regarding the Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment. 	Stantec / March 3, 2022	Stantec thanked the representative for their reply.
10	Jonathon Wilkinson Sr. Advisor Ministry of Energy	Email	January 17, 2022	The representative from the Ministry of Energy confirmed they have reviewed the ER and have no comments at this time.	Enbridge / January 18, 2022	Enbridge thanked the representative for their reply.
11	Jon K. Orpana Regional Environmental Planner MECP	Letter via Email	January 18, 2022	The representative from the MECP provided comments on the ER and noted the following: • The MECPs preliminary comments and concerns are duly noted under 2.6.2 Agency Comments. Included in this are preliminary comments from the district office which deals with concerns associated with the closed Emily Landfill, wetlands, impacts to watercourses as a result of horizontal directional drilling, and Species at Risk concerns from the SAR Branch. • MECP staff concur with the mitigation measures identified within the ER. • MECP indicated that approvals/permits that may be required include: • Permitting or registration under the Endangered Species Act (ESA) 2007. • Permit to Take Water (PTTW) if dewatering in excess of 400,000 L/day is required and an Environmental Activity Sector Registry (EASR) for dewatering between 5,000 and 400,000 L/day.	Stantec / January 19, 2022	Stantec thanked the representative for their comments.



From: Sarah Kingdon-Benson

To: jrojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net;

whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com;

dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca; James.hamilton@ontario.ca; Tony.difabio@ontario.ca; Kourosh Manouchehri;

keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-hostedde@ontario.ca; Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca; eanotification.eregion@ontario.ca;

sourceprotectionscreening@ontario.ca; cory.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Friday, December 3, 2021 5:33:11 PM

Importance: High

Good evening,

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link below please find a copy of the ER for the Project.

Pursuant to the Guidelines, please provide any comments on the ER for the Project <u>by no later than</u> <u>January 17, 2022</u>. You can access the ER at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: <u>Sarah Kingdon-Benson</u>

To: jrojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net;

whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com;

dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca; James.hamilton@ontario.ca; Tony.difabio@ontario.ca; Kourosh Manouchehri;

keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-hostedde@ontario.ca;

Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca; eanotification.eregion@ontario.ca;

sourceprotectionscreening@ontario.ca; cory.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Wednesday, January 5, 2022 9:46:55 AM

Good morning,

This is a friendly reminder that the requested comment period for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project Environmental Report concludes on *January 17, 2022.*

A link to the Environmental Report can be found in the e-mail below.

Please forward any comments you may have regarding the Environmental Report to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridae.com

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From: Bryan Robinson brobinson@kawarthalakes.ca

Sent: Wednesday, January 5, 2022 12:07 PM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Cc: Juan Rojas <jrojas@kawarthalakes.ca>

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

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This email originated from outside Enbridge and could be a phish. Criminals can pretend to be anyone. Do not interact with the email unless you are 100% certain it is legitimate. Report any suspicious emails.

Hello Sarah.

There are no concerns from the City of Kawartha Lakes' Public Works Department provided a suitable and acceptable running line can be established.

Regards, Bryan Robinson Director of Public Works City of Kawartha Lakes http://secure-

web.cisco.com/1YPcuenPYaOMv3VrkkfAvlNhz7rDQ72hgnOfk9fBPGVfPcC2_aIR0O0ouWgzx06Mj1Rw Ji73KPYh9YBG8RR_PTXBtyBo-b1GhmxdrYnjL5uqhla-

<u>ICnOrdePcEpeEPITfCGnXbue9qH3KCGJN5bljp0K6WKt8D8M80fYzCTKEY8SmWXETf1tjY7AOlJjFxjsyFqKysv5pAT4QwPc5GdFCm4f8vkvi6iYPhgyXrZlr2EKbvZLcUggiC0O77oAX2dnGOJnYxotVp-</u>

mmc72PLg3eCf0loaVGTOLtOKmM1ZmA9J6aCJxYmj38zwrRu40pqdsY/http%3A%2F%2Fwww.kawarthalakes.ca

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From: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>

Sent: Wednesday, January 5, 2022 9:47 AM

To: Juan Rojas <<u>jrojas@kawarthalakes.ca</u>>; Bryan Robinson <<u>brobinson@kawarthalakes.ca</u>>; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; Mark Majchrowski <<u>mmajchrowski@kawarthaconservation.com</u>>; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com; dmarinigh@otonabeeconservation.com;

Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca;

<u>James.hamilton@ontario.ca</u>; <u>Tony.difabio@ontario.ca</u>; Kourosh Manouchehri

< KManouchehri@tssa.org>; keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-

hostedde@ontario.ca; Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca;

eanotification.eregion@ontario.ca; sourceprotectionscreening@ontario.ca;

cory.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Good morning,

This is a friendly reminder that the requested comment period for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project Environmental Report concludes on *January 17, 2022.*

A link to the Environmental Report can be found in the e-mail below.

Please forward any comments you may have regarding the Environmental Report to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

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TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: <u>Gitkow, Alexandre (MTO)</u>

To: Sarah Kingdon-Benson; BobcaygeonEA

Cc: Rodek, Amanda (MTO); Green, Kate (MTO); Waters, Darren (MTO); Witjes, Ron (MTO); Fraser, Peter (MTO);

Sharma, Prabin (MTO); Pedlar, Mark (MTO); Alicja Pagaduan

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Thursday, January 6, 2022 9:16:11 AM

Attachments: Bobcaygeon Community Expansion Project, Letter January 6, 2022.docx

Good Morning Sarah Kingdon-Benson,

Please see attached comment letter from the Ministry of Transportation (MTO) about the Bobcaygeon Community Expansion Project OPCC Review.

Please do not hesitate to contact me should you require more information.

Sincerely Yours,

Alexandre Gitkow

Corridor Management Officer (Utility)

Corridor Management Section | East Operations

Ministry of Transportation (MTO)

1355 John Counter Boulevard,

Kingston, ON K7L 5A3

Cell: 613-323-1253 | Email: Alexandre.Gitkow@Ontario.ca

From: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>

Sent: December 3, 2021 5:33 PM

To: irojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net;

whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com;

achlebak@kawarthaconservation.com; Imoloney@otonabeeconservation.com;

dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Geerts, Helma (OMAFRA)

< Helma.Geerts@ontario.ca >; Barboza, Karla (MHSTCI) < Karla.Barboza@ontario.ca >; Hamilton, James

(MHSTCI) < <u>James. Hamilton@ontario.ca</u>>; Di Fabio, Tony (MTO) < <u>Tony. Di Fabio@ontario.ca</u>>;

Kourosh Manouchehri < KManouchehri@tssa.org >; Johnston, Keith (NDMNRF)

< Keith.Johnston@ontario.ca; Elms, Michael (MMAH) < Michael.Elms@ontario.ca; Schulte-

Hostedde, Bridget (MMAH) < Bridget.Schulte-Hostedde@ontario.ca>; McCullough, Jason (ENERGY)

<<u>Jason.McCullough@ontario.ca</u>>; Orwin, Ruth (MECP) <<u>Ruth.Orwin@ontario.ca</u>>; EA Notices to

ERegion (MECP) < <u>eanotification.eregion@ontario.ca</u>>; Source Protection Screening (MECP)

<<u>SourceProtectionScreening@ontario.ca</u>>; Ostrowka, Cory (IO)

<<u>Cory.Ostrowka@infrastructureontario.ca</u>>

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Importance: High

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Good evening,

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link below please find a copy of the ER for the Project.

Pursuant to the Guidelines, please provide any comments on the ER for the Project <u>by no later than</u> <u>January 17, 2022</u>. You can access the ER at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment Lands, Permitting & Environment

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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Ministry of Transportation

Corridor Management Section 1355 John Counter Boulevard Postal Bag 4000 Kingston, Ontario K7L 5A3 Tel.: 613 323-1253

Fax: 613-540-5106
Alexandre.gitkow@ontario.ca

Ministère des Transports

Section de gestion des couloirs routiers 1355, boulevard John Counter CP/Service de sacs 4000 Kingston (Ontario) K7L 5A3 Tél.: 613 323-1253

Téléc. 613 540-5106

January 6th, 2022

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Via email: BobcaygeonEA@stantec.com

Dear Sarah Kingdon-Benson:

Re: Enbridge Gas Inc. – Bobcaygeon Community Expansion Project OPCC Review

Thank you for circulating the Enbridge Bobcaygeon Community Expansion Project OPCC Review to the Ministry of Transportation (MTO) for review and comments. As you are aware, under the Public Transportation and Highway Improvement Act (PTHIA), the ministry, through the issuance of permits, has a control area that includes the Highway right of way corridor, and an area of 395 metres radius around each interchange/intersection and 45 m from the highway property limit and designated area. MTO review, approval and permits are required prior to the issuance of any other permits. This also includes any pre-engineering work that you may require.

An Encroachment Permit or other Permit or approval required by the Ministry must be obtained prior to any construction occurring on site. The construction or operation of works within the limits of the right-of-way of a highway by other than the Ministry or its agent shall be considered an encroachment, and any application will also be required to be submitted with a full Traffic Management Plan in accordance with Book 7 requirements, including any restrictions required by MTO such as hours of work, etc.

Following our Letter sent on September 23, 2021 and the letter received from Enbridge on November 15th, 2021, the MTO as had a meeting with Enbridge on December 1st, 2021 to discuss our comments from the September 23rd letter and the initial finding of the Environmental Report (ER). In this meeting Enbridge advised the MTO that the work would be split in two part and that "Part 1 proposes to install 13 km of steel 6" diameter pipeline along County Road 10 from Peace Road south to Stewart Line." The pipeline will cross the MTO highway and therefore a permit will be required. This portion of the reinforcement is proposing to begin construction by spring 2026 and be completed by Dec 2026. Part 2 of the reinforcement is slated for 2029 and is an additional pipeline to further supply growth and development in Bobcaygeon. The scope of this component includes 6 km of 8" steel pipeline along the Hwy 35 corridor. An alternate route is being assessed to tie into Mt Horeb Rd and Hwy 35, run along Mount Horeb Road to St Mary's, south on St. Marys to Bethany Hills Rd." Enbridge add that the



ER concluded the alternate route would traverse significantly more wetland areas, woodlots, regulated areas, and species at risk habitats. Additionally, a portion of the road is privately owned and that Farmers identified sensitivities along the alternate route and it is a more costly route which would impact the feasibility of the government funded project, As such the alternate route is not the preferred route.

Enbridge would apply for a Leave To Construct (LTC) for the first part (13 km of steel 6" diameter pipeline along County Road 10 from Peace Road south to Stewart Line) first and would apply for the second part (6 km of 8" steel pipeline along the Hwy 35 corridor) in 2026/2027.

With this information in hand, the MTO has told Enbridge in the meeting the following comments:

- The proposed Supply Lateral (Part 1) will be cross highway 7 east of Omemee, ON (corner of CR10 and Hwy7), and we do not have many concern with the proposal as discuss in the meeting and shown in the ER. As stated previously this crossing will need to be no less than 3 meters below the traveled portion of the highway the entire right of way and/or 1.5 meter below the bottom of the ditch whichever is greater. All buried plant should be as level as possible across the entire length of the right-of-way and should be straight (perpendicular) to the traveled portion when crossing the highway. If the dates are accurate, the MTO does not anticipate any issue.
- For the proposed Reinforcement on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road (Part 2), the MTO reaffirmed that we want Enbridge to use the alternative or find a new route. The MTO Senior Management had meet with Enbridge Senior Management in Port Hope on October 19th, 2015 to discuss the issue with the Highway 35 corridor for at the time Enbridge EA for the proposed pipeline expansion and routing to the community of Fenelon Falls. In that meeting, the MTO showed Enbridge the plans that the MTO as for the Highway 35 widening (Which as an approved EA dated 2007) and the constraints that a new pipe would cause and the requirement that the MTO would impose on Enbridge if they decided to plan that new pipe in the ROW of Hwy 35. In the end Enbridge decided to choose another route. In the December 1st meeting, the MTO brought that fact to Enbridge, but Enbridge Staff present was not aware of that meeting and had no copies of the plan provided to Enbridge at that time.

The MTO restated that we have an approved EA to widen Hwy 35 to 4 lane in this area. The MTO also said that we will need to update the EA in the future to meet current requirement. The approved EA include new intersection, realigned road, widening of the Highway from 2 lanes to 4. The future widening will occur to the east side of the existing Hwy and that the widening will require property acquisition to construct and will also require relocation of all the utility in the ROW including the existing Enbridge pipeline and the MTO is not sure that it will be able and have space to reinstall the utilities in the ROW in the end as the MTO cannot expropriate land for utility purposes. This is the reason we do not want Enbridge to reinforce this section of the highway 35 as show in the their preferred route and that we strongly encourage Enbridge to build the reinforcement on the alternative route along Mt Horeb Road and St. Marys Road, ending at Bethany Hills Road or fine an alternative. Enbridge should also plan for the future where the existing line on Highway 35 may need to be moved or removed completely. The timeline of the widening is unknown as it depends on the volume of traffic and the financing availability. The MTO and Enbridge both acknowledge that the Lindsay area is seeing a construction boom and it is not a question of if it will be constructed, but when will it be constructed. This widening is not on the 5 years plan, but the estimate for potential construction is around 2030.

In the December 1st 2021 meeting, the MTO told Enbridge that we would not approve any new pipe in the Hwy 35 ROW and that Enbridge need to find an alternative route for the proposed reinforcement line and to think about the existing line and its potential relocation outside the ROW when we widen the Hwy. We also mentioned that if Enbridge really wants to install the reinforcement line in the existing Hwy 35 ROW that the MTO would need a legal agreement that state that Enbridge is 100% responsible for the relocation of the reinforcement line when ever the MTO will require them to relocate and they will also be 100% responsible for any associated cost attached to that relocation (i.e. study, engineering, survey, etc.). The MTO also mentioned that if we looked at the potential timeline, the reinforcement line may be in the ground for a year or two before it is potentially relocated and if Enbridge would do so, it would be a waste of time and money.

On December 2nd 2021, the MTO forwarded to Alicja Pagaduan, CPA, CMA, MBA, Advisor Permitting at Enbridge, the proposed Highway 35 widening plans, corridor designated plan that show what MTO owns and what is designated but not owned and since we have not done detail design yet, we also sent a map showing roughly where the new service road might be.

Enbridge at the end of the December 1st 2021 meeting, said that they would look at the plans and MTO concern and get back to us. The MTO would like to restate that it will not approve the proposed Reinforcement on Highway 35 between Bethany Hills Road and Mt Horeb Rd as proposed and that at this time it would be better and more cost efficient to plan for an alternative route.

We reviewed the "Bobcaygeon Community Expansion Project: Environmental Report" and have a few additional comments:

- Not sure if it base solely on Environmental permits, but the "Table 1.1 Summary of Potential Environmental Permit and Approval Requirements" does not mention MTO permits requirement, which apply for all owned, designated, not own but designated land and all controlled area (45m and 395m as mentioned in the first paragraph).
- In the "APPENDIX B1: INDIGENOUS, AND EXTERNAL AGENCIES CONTACT LISTS" could you remove Cheryl Tolles name and replace it by my name as Cheryl is retiring from the Ministry of Transportation very soon and I will take over anything utility related.

MTO is supportive of the routing as proposed for the proposed Supply Lateral but has major concerns about the proposed Reinforcement on Highway 35, as noted above. The MTO may have addition comments after review of the revised proposal. Our goal is to work together at these initial stages to ensure we have a routing and solution that will satisfy all parties. We are all invested in obtaining the best solution possible.

If you have any questions, please do not hesitate to contact me at Alexandre.Gitkow@ontario.ca.

Sincerely Yours,

Alexander Ditter

Alexandre Gitkow Corridor Management Officer

cc. Kate Green, Ministry of Transportation, Corridor Management Head
Darren Walter, Ministry of Transportation, Area Manager Highway Engineering
Ron Witjes, Ministry of Transportation, Senior Project Manager
Peter Fraser, Ministry of Transportation, Senior Project Engineer
Prabin Sharma, Ministry of Transportation, Corridor (A) Senior Project Manager
Mark Pedlar, Ministry of Transportation, Corridor Management Planner

From: Kourosh Manouchehri «KManouchehri@tssa.org»
Sent: Thursday, January 6, 2022-246 PM
To: Ashley Crites = Good-inge.com>, leff Mantej <leff. Mantej@enbridge.com>
Subject: [External] RE: New Pipelines Application -101 HONDA BLVD, MARKHAM ON L6C OM6 - SR# 3143014

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Hi Ashley,

Please see attached my review letter for Bobcaygeon Community Expansion Project.

If you have any question, please contact me.





From: Angelina Brew <abrev@tissa.org>
Sent: December 6, 2021 34.0 PM
To galhey critise-gendridge com: Denholm: Kendall@enbridge.com: jeff.mantej@enbridge.com
CC: Kourosh Manouchehri («Manouchehriffetssa.org>
Subject: New Pipelines Application 101 HONDA BUVD,MARKHAM ON LISC OM6 - SR# 3143014

We have processed your application for a New Pipelines at 101 HONDA BLVD, MARKHAM ON L6C 0M6 - our file SR# 3143014. This file has been assigned to Kourosh Manouchehri.

Please contact Kourosh Manouchehri via email kmanouchehri@tssa.org, if you have additional questions.

Thanks

Angelline Brew | Program Support
Stated Gerklers
All Collegister United States | Angelline Brew |
Forsto, Collegister United States | Angelline Brew |
Forsto, Collegister United States |
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345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

January 06, 2022

Re: Bobcaygeon Community Expansion Project- TSSA file SR# 2940002

The applicable regulation that applies to Bobcaygeon Community Expansion Project is <u>Negulation 210/01</u>: Oil and Gas Pipeline Systems. The applicable standard for this project is CSA Z662-19 which TSSA adopted under FS-533-20 - Oil and Gas Pipelines CAD Amendment. The mentioned Code Adoption Documents (CAD) specifies the standards that are adopted by TSSA and any changes or addition to the requirements of CSA Z662-19.

TSSA audits all utility companies that are licensed to distribute "gas" in the province of Ontario. TSSA also reviews and audits all new pipeline projects that are submitted to OEB for leave to construct. The review of the new pipeline projects submitted to OEB consist of reviewing the technical aspect of the project and focused on compliance to the adopted standards and O.Reg.210/01. TSSA has authority to issue order to operator for any non-compliances to the regulation and\or adopted standards.

This project so far has been reviewed on the technical aspects of the project including design, material specification, wall thickness calculation and stress on the pipe wall thickness on the maximum operating pressure. TSSA did not find any non-compliances to the regulation or the adopted standard.

TSSA may audit and inspect the EGI to ensure compliance with applicable technical and safety standards for construction and operation of this project.

Should you have any questions, please contact me at 416.734.3539 or by e-mail at kmanouchehri@tssa.org. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Kourosh Manouchehri, P.Eng.,

Layrond M. W.

Fuels Safety Engineer Tel.: (416) 734-3539 Fax: (416) 231-7525 From: Sarah Kingdon-Benson
To: Charette, Monique (MECP)

Cc: BobcaygeonEA

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Friday, January 7, 2022 8:24:12 AM

Attachments: External FW Bobcaygeon Community Expansion Project Notice of Commencement and Virtual Open House.msg

Good Morning Monique,

Thank-you for your email below.

Yes, we did receive your initial comments on the Project (attached), which we've incorporated into the Environmental Report. I wanted to thank you for these comments as they were very thorough and much appreciated.

We also plan to be reach out this year through an information gathering form to confirm no Species at Risk permit will be required for this Project.

Let me know if you have any further questions.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor. Environment

Lands, Permitting & Environment

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ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: Charette, Monique (MECP) < monique.charette@ontario.ca>

Sent: Thursday, January 6, 2022 2:53 PM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Subject: [External] FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

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Good afternoon Sarah,

I was circulated on this project in the past by Emily Hartwig at Stantec but have not been asked to review anything recently. Other staff in MECP have shared your latest email with me. Since the species at risk review is a proponent-led process, I was wondering if you will be requesting species at risk comments at a later date?

Thanks

Monique Charette

Management Biologist
Permissions and Compliance Section
Species At Risk Branch
Monique.charette@ontario.ca

From: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>

Sent: January 5, 2022 9:47 AM

To: jrojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com; dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Geerts, Helma (OMAFRA) < Helma.Geerts@ontario.ca>; Barboza, Karla (MHSTCI) < Karla.Barboza@ontario.ca>; Hamilton, James (MHSTCI) < James.Hamilton@ontario.ca>; Di Fabio, Tony (MTO) < Tony.DiFabio@ontario.ca>; Kourosh Manouchehri < KManouchehri@tssa.org>; Johnston, Keith (NDMNRF)

<<u>Keith.Johnston@ontario.ca</u>>; Elms, Michael (MMAH) <<u>Michael.Elms@ontario.ca</u>>; Schulte-Hostedde, Bridget (MMAH) <<u>Bridget.Schulte-Hostedde@ontario.ca</u>>; McCullough, Jason (IAO)

<<u>Jason.McCullough@ontario.ca</u>>; Orwin, Ruth (MECP) <<u>Ruth.Orwin@ontario.ca</u>>; EA Notices to

ERegion (MECP) < eanotification.eregion@ontario.ca >; Source Protection Screening (MECP)

<<u>SourceProtectionScreening@ontario.ca</u>>; Ostrowka, Cory (IO)

<<u>Cory.Ostrowka@infrastructureontario.ca</u>>

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

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Good morning,

This is a friendly reminder that the requested comment period for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project Environmental Report concludes on *January 17, 2022.*

A link to the Environmental Report can be found in the e-mail below.

Please forward any comments you may have regarding the Environmental Report to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6 Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

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TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

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From: Sarah Kingdon-Benson

Sent: Friday, December 3, 2021 5:33 PM

To: jrojas@kawarthalakes.ca; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmolonev@otonabeeconservation.com; dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca; James.hamilton@ontario.ca; Tony.difabio@ontario.ca; Kourosh Manouchehri < KManouchehri@tssa.org>; keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-hostedde@ontario.ca; Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca; eanotification.eregion@ontario.ca; sourceprotectionscreening@ontario.ca; corv.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA < BobcaygeonEA@stantec.com >

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Importance: High

Good evening,

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link below please find a copy of the ER for the Project.

Pursuant to the Guidelines, please provide any comments on the ER for the Project by no later than January 17, 2022. You can access the ER at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment Lands, Permitting & Environment

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TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: Species at Risk (MECP) To: Hartwig, Emily

Subject: RE: Bobcaygeon Community Expansion Project - Notice of Commencement and Virtual Open House

Date: Monday, October 25, 2021 4:11:33 PM

Attachments: BMP Mitigating Effects of Roads on Herp FINAL.pdf

Treed Habitats - Maternity Roost Surveys.docx SAR Bat Building Exit and Roost Survey Protocols.docx

Good afternoon Ms. Hartwig,

Thank you for sharing the Notice of Commencement for the Bobcaygeon Community Expansion Project. I have the following preliminary Species At Risk (SAR) comments to provide.

A review of our best available information indicates that the following threatened and/or endangered SAR may be in the area where the project will take place:

- Barn Swallow
- Bank Swallow
- Bobolink
- Eastern Meadowlark
- Chimney Swift
- Least Bittern
- Eastern Whip-poor-will
- Butternut
- Eastern Prairie Fringed Orchid
- Blanding's Turtle
- Mottled Duskywing

There are several Blanding's Turtle observations in the area ranging from 2009-2018, the closest observation being within 2km of the project footprint. The project footprint crosses wetlands and watercourses which may support Blanding's Turtle. I've attached the most recent guidance document that may help establishing the best mitigation measures for the project. In addition to the above species, SAR bats may also be found in the area if suitable day roosting and/or maternity roosting habitat is present in the project area. I've included SAR bat advice (see below) for your consideration. This list should not be considered complete. Site surveys may be required to confirm the presence of species at risk and/or their habitat and to help determine if there will be potential impacts associated with the project.

We recommend that MECP be contacted at SAROntario@ontario.ca once information on potential impacts to SAR and SAR habitat is known. We will then be able to provide advice on whether authorization is required under the Endangered Species Act.

The purpose of this note is to support compliance with Ontario's *Endangered Species*

Act. 2007 (ESA) by providing consistent and practical survey guidance for species at risk bats.

Where a project or activity is planned in a manner that pro-actively avoids adverse effects to bats (does not contravene s. 9 or s. 10 of the ESA), there is no need to conduct species at risk bat surveys. For more information on the interpretation of ESA s. 9 and s. 10 prohibitions, see Ontario.ca and <a href="Categorizing and Protecting Habitat under the Endangered Species Act | Ontario.ca, respectively. Ultimately, it is the proponent's responsibility to assess potential impacts of their planned activity on species at risk bats and take the appropriate steps to achieve compliance with the ESA.

Hibernacula

- Avoidance considerations: Tree clearing activities located more than 200 m from hibernacula entrances are considered unlikely to damage or destroy hibernacula. Activities producing loud noises and/or vibrations (e.g., blasting, drilling, movement of heavy equipment, etc.) that occur more than 500 m from a bat hibernaculum are unlikely to harm or harass hibernating bats.
- Protocol here (in Appendix A): https://www.ontario.ca/page/bats-and-bat-habitats-guidelines-wind-power-projects#section-4.
- Important additions and exceptions to the above protocol:
 - Bat surveys and analysis should be conducted by a person experienced with determining presence/absence of species at risk bats.
 - The statements "Visual and acoustic monitoring surveys only need to be conducted until evidence of bat presence is found. Should evidence be found on the initial surveys, then further monitoring is not required" require qualification: Identification of species at risk bats through acoustic monitoring will be necessary under a permitting scenario. The total number of passes/calls recorded for each at risk bat species over the 10 acoustic monitoring nights should be used by the proponent to assess the impact of any work or activity on the hibernacula.

Treed Habitats (Maternity and Day Roosts)

- Avoidance considerations: If a proposed activity will avoid impairing or
 eliminating the function of habitat for supporting bat life processes (e.g.
 remove, stub, etc. a small number of potential maternity or day roost trees in
 treed habitats) but the timing of tree removal will avoid the bat active season
 (April 1 September 30 in Southern Ontario / May 1 to August 31 in Northern
 Ontario), then there is no need to conduct species at risk bat surveys of treed
 habitats. The damage and destruction assessment may vary geographically
 as the availability of other nearby maternity and day roost trees differs across
 the province of Ontario. For further guidance please contact
 SAROntario@ontario.ca.
- Protocol attached: "Treed Habitats Maternity Roost Surveys"
- Important additions and exceptions to this protocol:
 - In Step 1, the Ecological Land Classification (ELC) codes listed are meant to provide guidance, however any area with suitable roost trees should be considered potential maternity or day roost habitat. In areas where ELC is unavailable, the project area will need to be mapped by a qualified professional experienced in ecosite classification.

- There are numerous peer-reviewed publications demonstrating that trees measuring less than 25 cm DBH (diameter at breast height) support maternity and day roosts of little brown myotis, northern myotis and tricolored bat. Detailed descriptions of tree species, size and age composition and physical attributes are very helpful for evaluating the value of specific treed habitats to species at risk bats.
- Step 2: Snag Density Calculations Field visits to determine the best locations for deploying Acoustic Monitoring Systems are encouraged. However, snag density may also be calculated by following methods in Step 5: Detailed Mapping of Snag/Cavity Trees and does not necessarily need to precede acoustic monitoring (Steps 3 and 4).
- Note that Step 5: Detailed Mapping of Snag Cavity Trees is important to quantify the magnitude of impacts to bat species at risk under an ESA permitting scenario. This information may also be used to inform activity alternatives that reduce and/or completely avoid impacts to bat species at risk.
- For large projects impacting greater than 10 ha of treed habitat, we recognize following this protocol is likely not feasible. In these situations, we fully expect clients to apply some method of sampling/sub-sampling landscapes, where ELC plots, snag density calculations, and acoustic monitoring occur in randomly selected or representative locations. Information obtained from the sample may then be extrapolated to the entire project footprint to inform the evaluation of project alternatives and the final impact assessment. In cases where acoustic monitoring surveys are not performed, MECP will assume species at risk bat presence in all habitats containing potentially suitable roost trees.

Buildings and Other Anthropogenic Structures (Maternity and Day Roosts)

- If a proposed activity or project will remove or alter an anthropogenic structure
 in a way that would negatively affect use of the structure by species at risk bats
 then bat surveys are warranted. This applies whether the structure provides
 potential species at risk bat habitat, or was known to provide bat habitat
 historically. Apply professional experience to judge whether any anthropogenic
 structure has the potential to provide bat maternity or day roost habitat.
- Protocol attached: "SAR Bat Building Exit and Roost Survey Protocols"
 - This protocol provides minimum survey effort expectations. Surveyors may discover multiple pre- and post-volant surveys are necessary to collect accurate abundance estimates at exit points as the time when pups become volant, weather and other variables may be difficult to predict.

Thanks

^{*} We encourage all proponents to submit any observations of species at risk bats to the Natural Heritage Information Centre: Report rare species (animals and plants) | Ontario.ca

Management Biologist
Ministry of the Environment, Conservation and Parks
Permissions and Compliance Section
Species At Risk Branch
(613) 583-3162
Monique.charette@ontario.ca

From: Hartwig, Emily < Emily. Hartwig@stantec.com>

Sent: September 1, 2021 11:59 AM

To: Species at Risk (MECP) <SAROntario@ontario.ca>

Cc: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>; Sonia.Fazari@enbridge.com; BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: Bobcaygeon Community Expansion Project – Notice of Commencement and Virtual Open House

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good morning,

Please find attached a Notice of Commencement and Virtual Open House for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: 519 780-8186 Mobile: 226 979-4457 Emily.Hartwig@stantec.com

Stantec

1-70 Southgate Drive Guelph ON N1G 4P5



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From: <u>Hartwig, Emily</u>
To: <u>Rodek, Amanda (MTO)</u>

Cc: <u>BobcaygeonEA</u>; <u>Sarah Kingdon-Benson</u>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Thursday, March 3, 2022 10:35:00 AM

Good morning Amanda,

Thank-you for the reply.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Rodek, Amanda (MTO) < Amanda. Rodek@ontario.ca>

Sent: Wednesday, January 12, 2022 9:43 AM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Cc: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Hi Sarah,

Enbridge's, December 3, 2021 email to Tony Di Fabio regarding the Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review, has been forwarded to my attention for review and response.

Please find the following comments from the Ministry of Transportation for your consideration regarding the proposed project:

 Ministry of Transportation – East Region provided comments via email on January 6, 2022 (see attached), MTO has no additional comments

Have a great day!

Thanks.

Amanda Rodek
Program Analyst
Ministry of Transportation
Corridor Management Office
301 St. Paul Street
St. Catharines, ON L2R 7R4
Tel. (905) 704-2916

From: Sarah Kingdon-Benson <<u>sarah.kingdon-benson@enbridge.com</u>>

Sent: December 3, 2021 5:33 PM

To: irojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com; dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Geerts, Helma (OMAFRA) < Helma.Geerts@ontario.ca>; Barboza, Karla (MHSTCI) < Karla.Barboza@ontario.ca>; Hamilton, James (MHSTCI) < James.Hamilton@ontario.ca>; Di Fabio, Tony (MTO) < Tony.DiFabio@ontario.ca>; Kourosh Manouchehri < KManouchehri@tssa.org>; Johnston, Keith (NDMNRF) < Keith.Johnston@ontario.ca>; Elms, Michael (MMAH) < Michael.Elms@ontario.ca>; Schulte-Hostedde, Bridget (MMAH) < Bridget.Schulte-Hostedde@ontario.ca>; McCullough, Jason (ENERGY) < Jason.McCullough@ontario.ca>; Orwin, Ruth (MECP) < Ruth.Orwin@ontario.ca>; EA Notices to ERegion (MECP) < eanotification.eregion@ontario.ca>; Source Protection Screening (MECP) < SourceProtectionScreening@ontario.ca>; Ostrowka, Cory (IO)

<Cory.Ostrowka@infrastructureontario.ca>

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Importance: High

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good evening,

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link below please find a copy of the ER for the Project.

Pursuant to the Guidelines, please provide any comments on the ER for the Project by no later than

January 17, 2022. You can access the ER at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment **Lands, Permitting & Environment**

ENBRIDGE

TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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To: Subject:

Georgopoulos, Rooly Mallon, Jack (MHSTCI); BobcaygeonEA RE: Bobcaygeon Community Expansion ER Friday, January 14, 2022 12:21:47 PM

Good afternoon Jack, if you go to the link below you will see at the bottom of the page an area called Regulatory Information. If you hit that link it will take you to the ER:

Project status/timeline



Project information



Regulatory information

The Project is regulated by the Ontario Energy Board (OEB), an independent government agency that regulates the electricity and natural gas sectors. After a public review and hearing, the OEB is able to approve our application. In this section, you can review all regulatory files about the project.

Environment assessment

In accordance with the OEB's "Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipeline and Facilities in Ontario, 7th Edition 2016", Enbridge Gas retained the services of Stantec Consulting Ltd., an independent environmental consultant, to complete an environmental assessment for the proposed project.

The purpose of the environmental assessment is to: identify any potential impacts of the proposed project on the social, economic and natural environments, identify local or provincial concerns regarding the proposed project determine preferred routing of the pipeline segments, gather input from agencies, stakeholders, Indigenous communities, affected landowners, and the public. As well, it will recommend mitigation measures to limit impacts on the social, economic, and natural environments. It is important to minimize potential negative impacts of the proposed natural gas distribution pipelines and associated facilities on the environment. The data, analysis and results of the environmental assessment will be detailed in an Environmental Report.

Read the Environmental Report here.

Rooly

Rooly Georgopoulos B.Sc.,

Principal, Environmental Services

Direct: 905-415-6367 Mobile: 416-729-2300 Fax: 905-474-9889

rooly.georgopoulos@stantec.com

300W-675 Cochrane Drive Markham ON L3R 0B8

Stantec



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From: Mallon, Jack (MHSTCI) < Jack.Mallon@ontario.ca>

Sent: Friday, January 14, 2022 10:49 AM

To: BobcaygeonEA <BobcaygeonEA@stantec.com> Subject: Bobcaygeon Community Expansion ER

Importance: High

Good morning.

Could you please provide me with a copy of the ER so I can provide MHSTCI comments by the deadline?

Or, if you can direct me to where it is located at the link provided (www.enbridgegas.com/bobcaygeonproject), I was unable to find it.

Best.

Jack Mallon

Heritage Planner

Heritage Planning Unit | Programs and Services Branch

Heritage, Tourism and Culture Division

Ministry of Heritage, Sport, Tourism and Culture Industries

Phone: 437-522-6582

From: Hartwig, Emily
To: Mallon, Jack (MHSTCI)

Cc: Barboza, Karla (MHSTCI); Zora Crnojacki (She/Her); BobcaygeonEA

Subject: RE: MHSTCI Comments - Bobcaygeon Community Expansion Project - Draft ER

Date: Thursday, March 3, 2022 10:37:00 AM

Good morning Jack,

Thank-you for reviewing the ER and providing comments.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Mallon, Jack (MHSTCI) < Jack.Mallon@ontario.ca>

Sent: Monday, January 17, 2022 3:22 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: Barboza, Karla (MHSTCI) < Karla. Barboza@ontario.ca>; Zora Crnojacki (She/Her)

<zora.crnojacki@oeb.ca>

Subject: MHSTCI Comments - Bobcaygeon Community Expansion Project - Draft ER

Good afternoon,

Please see attached MHSTCI's comments on the Draft ER for the Bobcaygeon Community Expansion Project.

Do not hesitate to contact me if you have any questions.

Best.

Jack Mallon

Heritage Planner

Heritage Planning Unit | Programs and Services Branch

Heritage, Tourism and Culture Division

Ministry of Heritage, Sport, Tourism and Culture Industries

Phone: 437-522-6582

From: Sarah Kingdon-Benson
To: Wilkinson, Jonathon (ENERGY)

Cc: BobcaygeonEA

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Date: Tuesday, January 18, 2022 7:50:12 AM

Thank-you Jonathon for the reply.

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

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TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: Wilkinson, Jonathon (ENERGY) < Jonathon. Wilkinson@ontario.ca>

Sent: Monday, January 17, 2022 4:30 PM

To: Sarah Kingdon-Benson <sarah.kingdon-benson@enbridge.com>

Cc: BobcaygeonEA <BobcaygeonEA@stantec.com>

Subject: [External] RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

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Sarah,

I've reviewed the Environmental Report, but do not have any concerns at this time. My colleagues and I will look forward to reviewing the ER and ICR as part of our assessment for the Letter of Opinion for the project.

Happy to discuss

Regards

Jonathon

J. Wilkinson; Sr. Advisor Indigenous Energy Policy Section Energy Networks & Indigenous Policy Branch From: Sarah Kingdon-Benson < sarah.kingdon-benson@enbridge.com >

Sent: January 5, 2022 11:08 AM

To: Wilkinson, Jonathon (ENERGY) < <u>Jonathon.Wilkinson@ontario.ca</u>>

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: FW: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Importance: High

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good Morning Jonathan,

I just received word that you are the new OPCC contact for the Ministry of Energy.

I released an Environmental Report for review on December 3, 2021 (see email chain below).

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

Pursuant to the Guidelines, please provide any comments on the ER for the Project by no later than January 17, 2022.

You can access the Environmental Report for the Project at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario

L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment Lands, Permitting & Environment

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TEL: 905-927-3132 | CELL: 416-301-0762 101 Honda Blvd. Markham, ON, L6C 0M6

enbridge.com

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From: Sarah Kingdon-Benson

Sent: Wednesday, January 5, 2022 9:47 AM

To: jrojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com; dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca; James.hamilton@ontario.ca; Tony.difabio@ontario.ca; Kourosh Manouchehri <KManouchehri@tssa.org>; keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-hostedde@ontario.ca; Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca; eanotification.eregion@ontario.ca; sourceprotectionscreening@ontario.ca; cory.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: RE: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Good morning,

This is a friendly reminder that the requested comment period for the Enbridge Gas Inc. Bobcaygeon Community Expansion Project Environmental Report concludes on *January 17, 2022.*

A link to the Environmental Report can be found in the e-mail below.

Please forward any comments you may have regarding the Environmental Report to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

LOC OIVIO

Cell: 905-927-3132

Email: <u>bobcaygeonEA@stantec.com</u>

Regards,

Sarah Kingdon-Benson (she/her). B.Sc. (Hons), EP, CISEC

Advisor, Environment

Lands, Permitting & Environment

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enbridge.com

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From: Sarah Kingdon-Benson

Sent: Friday, December 3, 2021 5:33 PM

To: jrojas@kawarthalakes.ca; brobinson@kawarthalakes.ca; kellis@cavanmonaghan.net; whancock@cavanmonaghan.net; mmajchrowski@kawarthaconservation.com; achlebak@kawarthaconservation.com; lmoloney@otonabeeconservation.com; dmarinigh@otonabeeconservation.com; Zora.Crnojacki@oeb.ca; Helma.Geerts@ontario.ca; karla.barboza@ontario.ca; James.hamilton@ontario.ca; Tony.difabio@ontario.ca; Kourosh Manouchehri <KManouchehri@tssa.org>; keith.johnston@ontario.ca; michael.elms@ontario.ca; bridget.schulte-hostedde@ontario.ca; Jason.McCullough@ontario.ca; ruth.orwin@ontario.ca; eanotification.eregion@ontario.ca; sourceprotectionscreening@ontario.ca; cory.ostrowka@infrastructureontario.ca

Cc: BobcaygeonEA < <u>BobcaygeonEA@stantec.com</u>>

Subject: Enbridge Gas Inc. - Bobcaygeon Community Expansion Project OPCC Review

Importance: High

Good evening,

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Ontario Energy Board's Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario 7th Edition 2016 (Guidelines) recommend that a project proponent provide a copy of the Environmental Report (ER) for a project to the Ontario Pipeline Coordinating Committee for review and comment.

In the link below please find a copy of the ER for the Project.

Pursuant to the Guidelines, please provide any comments on the ER for the Project <u>by no later than January 17, 2022.</u> You can access the ER at the link below.

www.enbridgegas.com/bobcaygeonproject

Comments should be directed to:

Sarah Kingdon-Benson Advisor, Environment Enbridge Gas Inc. 101 Honda Boulevard Markham, Ontario L6C 0M6

Cell: 905-927-3132

Email: bobcaygeonEA@stantec.com

Regards,

$\textbf{Sarah Kingdon-Benson} \ (\textbf{she/her}). \ \textbf{B.Sc.} \ (\textbf{Hons}), \ \textbf{EP}, \ \textbf{CISEC}$

Advisor, Environment

Lands, Permitting & Environment

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enbridge.com

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From: Hartwig, Emily
To: Orpana, Jon (MECP)

Cc: Rutherford, Glenn (MECP); Charette, Monique (MECP); BobcaygeonEA

Subject: RE: Bobcaygeon Community Expansion Project - Enbridge Pipeline

Date: Wednesday, January 19, 2022 10:23:17 AM

Good morning Jon,

Thank-you for your email and letter regarding the Bobcaygeon Community Expansion Project.

Regards,

Emily Hartwig B.Sc., EP.

Environmental Consultant, Assessment and Permitting

Direct: (519) 585-3849 Mobile: (226) 979-4457 Emily.Hartwig@stantec.com

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100-300 Hagey Blvd. Waterloo, ON N2L 0A4



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From: Orpana, Jon (MECP) < Jon. Orpana@ontario.ca>

Sent: Tuesday, January 18, 2022 3:51 PM

To: BobcaygeonEA <BobcaygeonEA@stantec.com>

Cc: Rutherford, Glenn (MECP) <Glenn.Rutherford@ontario.ca>; Charette, Monique (MECP)

<monique.charette@ontario.ca>

Subject: Bobcaygeon Community Expansion Project - Enbridge Pipeline

Hello,

Please find attached MECP's comments on the above mentioned project study for your consideration.

We thank Enbridge's and Stantec's ongoing environmental consideration of these projects as such there are no real concerns within our comments.

We also note that the comments and concerns raised during the Notice of Commencement Response are documented and that there is ongoing work being undertaken with our Conservation & Species at Risk Branch regarding this project.

Regards,

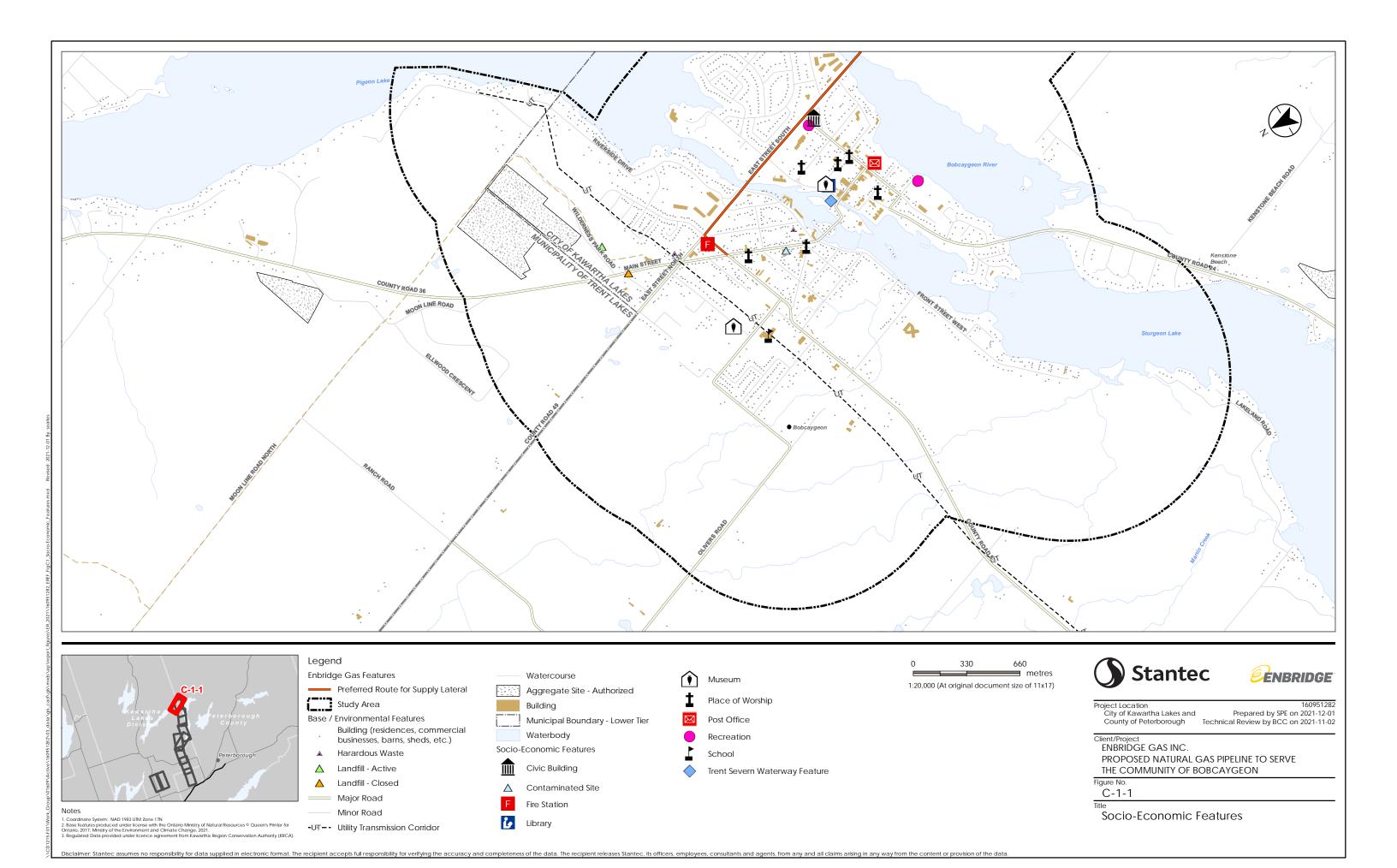
Jon

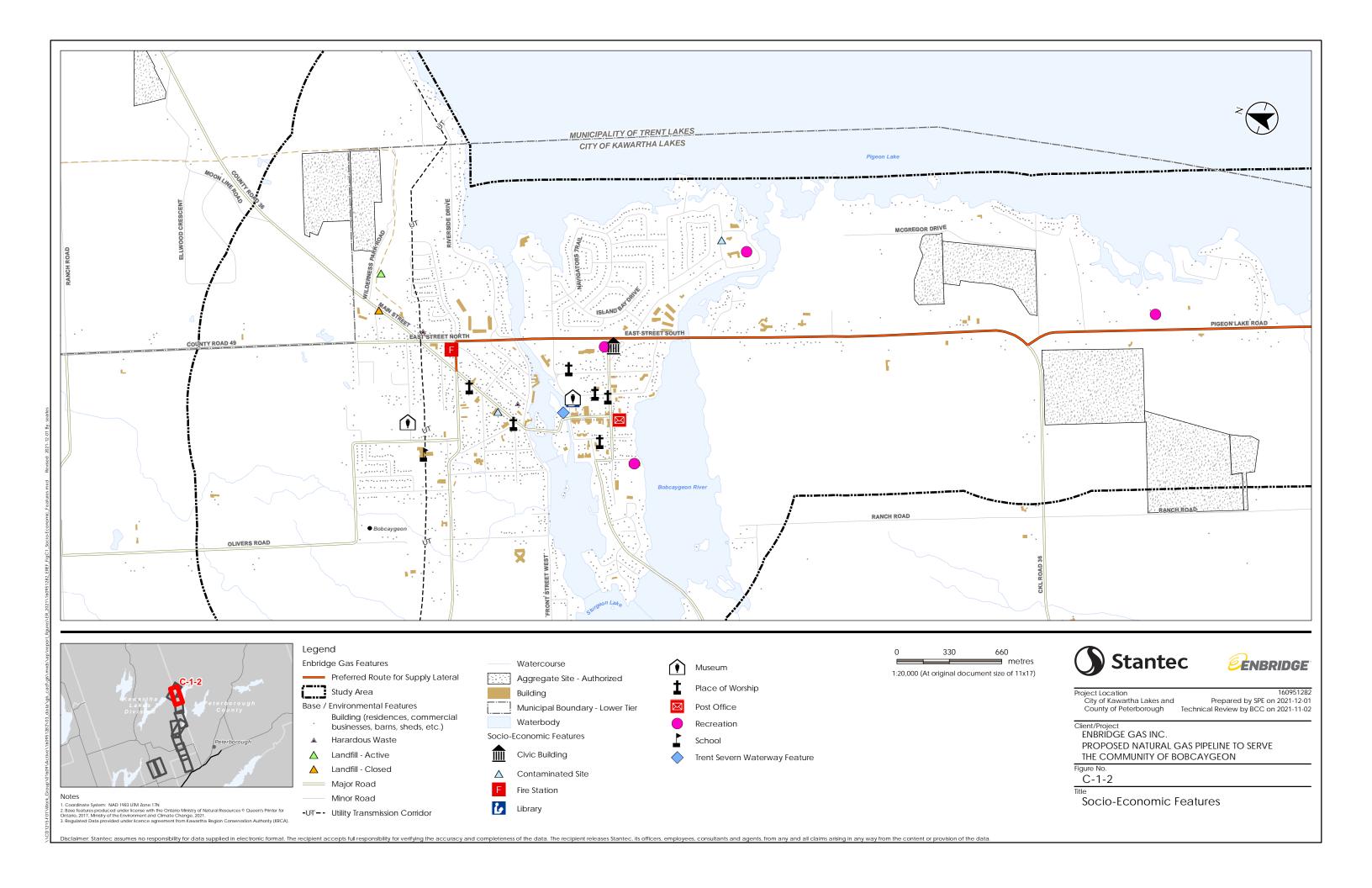
Jon K. Orpana
Regional Environmental Planner
Environmental Assessment Branch
Ministry of the Environment, Conservation and Parks
Kingston Regional Office
PO Box 22032, 1259 Gardiners Road
Kingston, Ontario
K7M 8S5

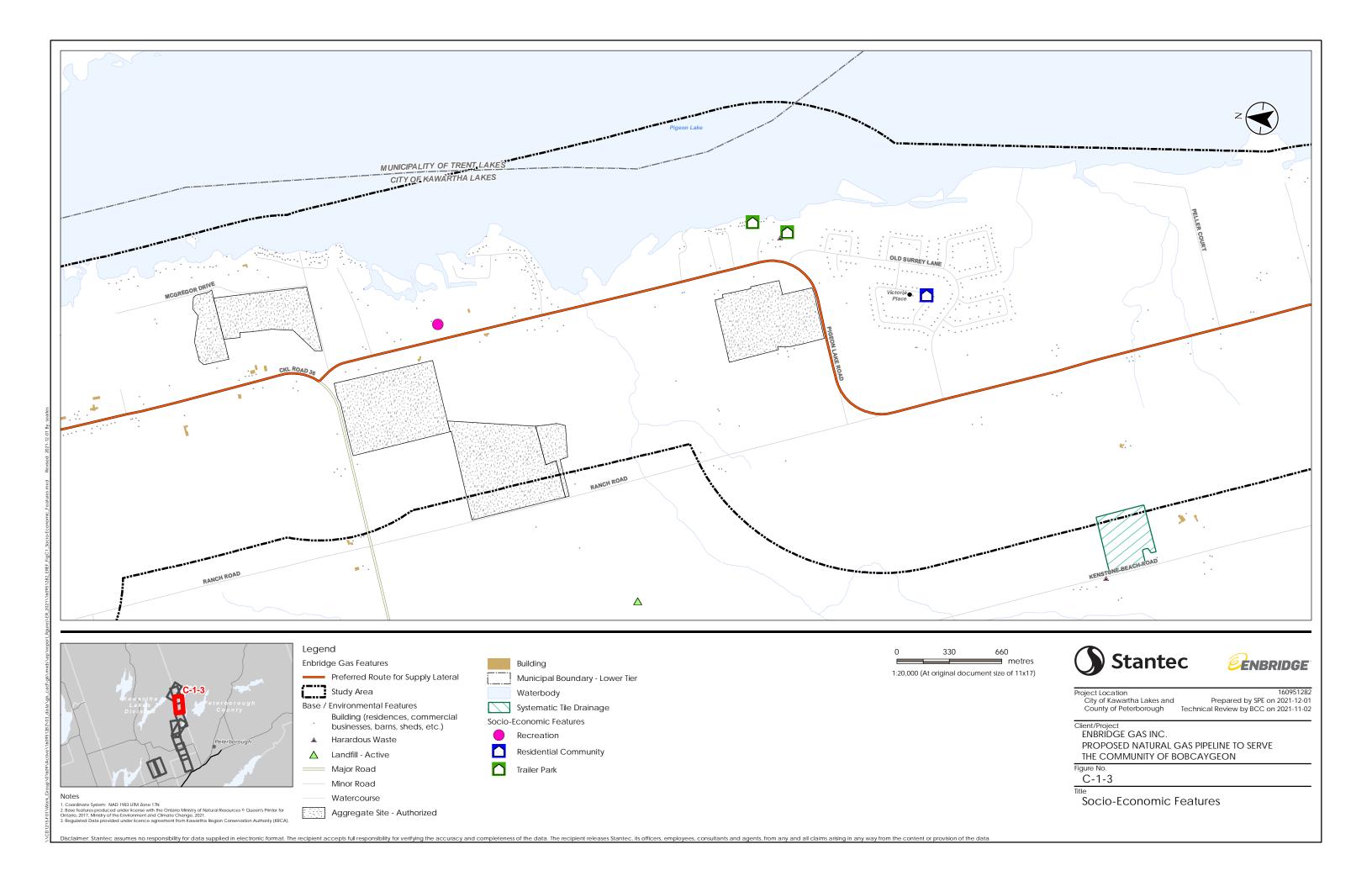
Phone: (613) 548-6918 Fax: (613) 548-6908

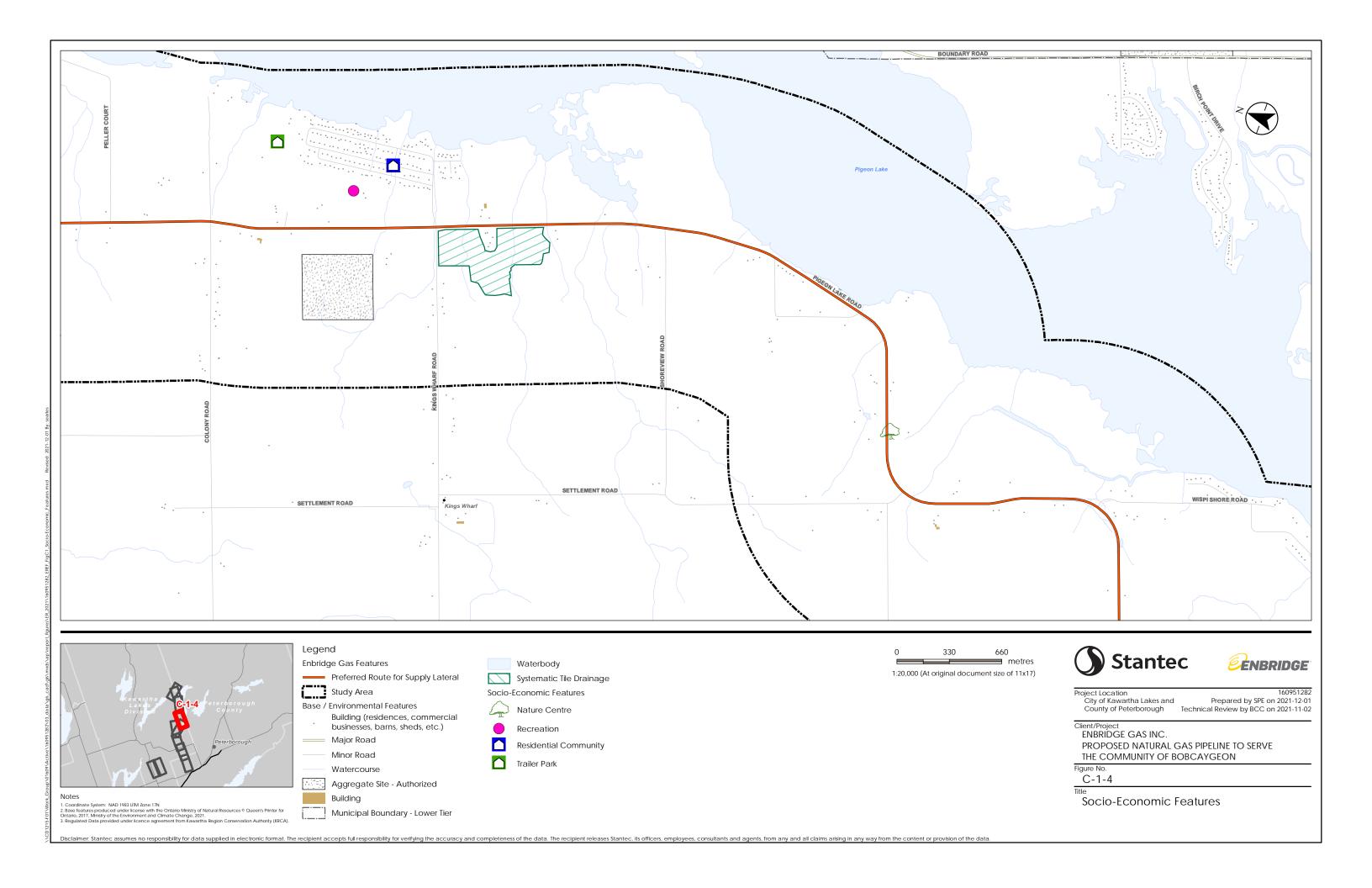
Email: jon.orpana@ontario.ca

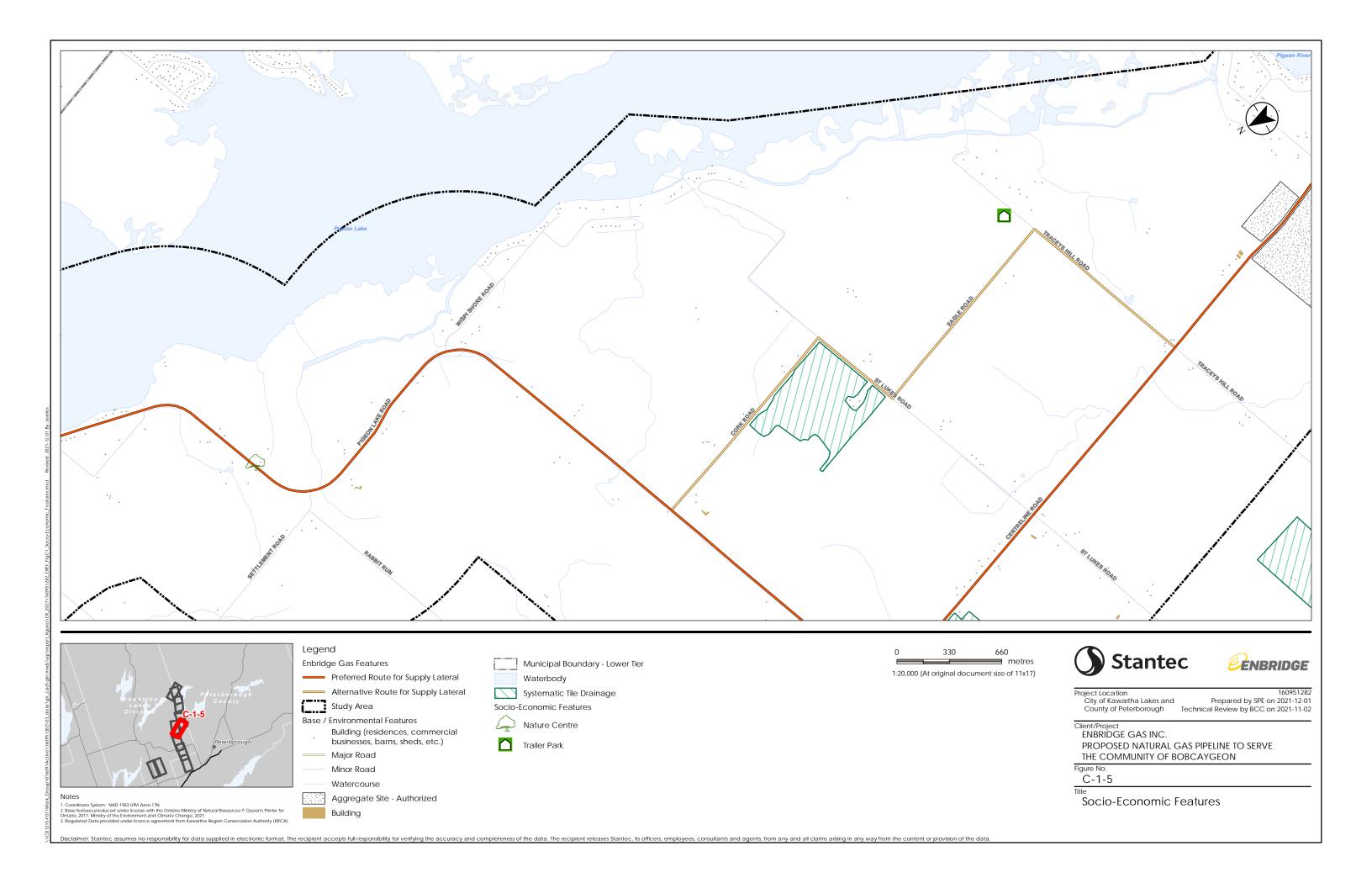
APPENDIX C: EXISTING CONDITIONS FIGURES

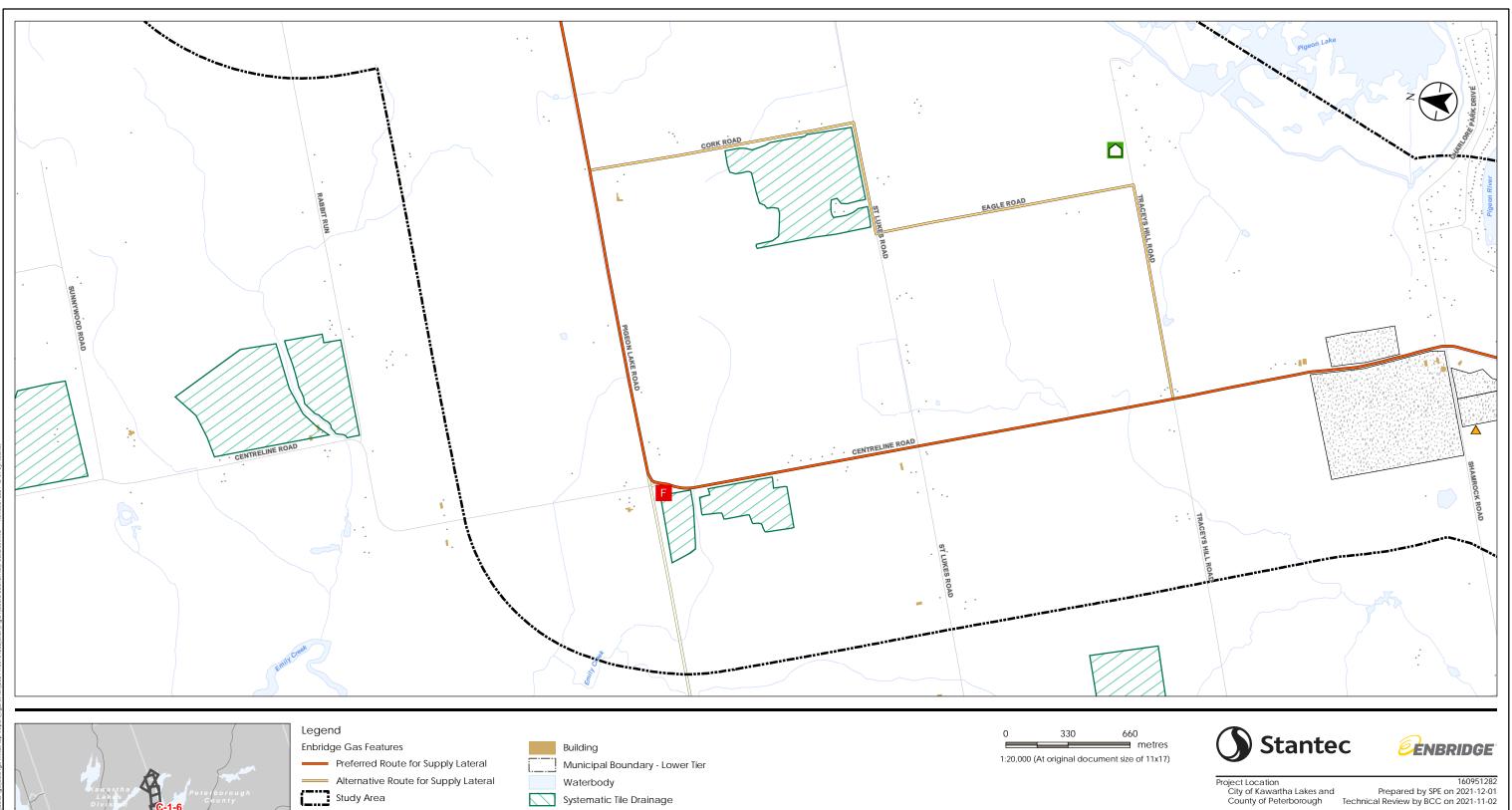














Base / Environmental Features

Building (residences, commercial businesses, barns, sheds, etc.)

Landfill - Closed

Major Road

Minor Road Watercourse

Aggregate Site - Authorized

Systematic Tile Drainage

Socio-Economic Features

Fire Station

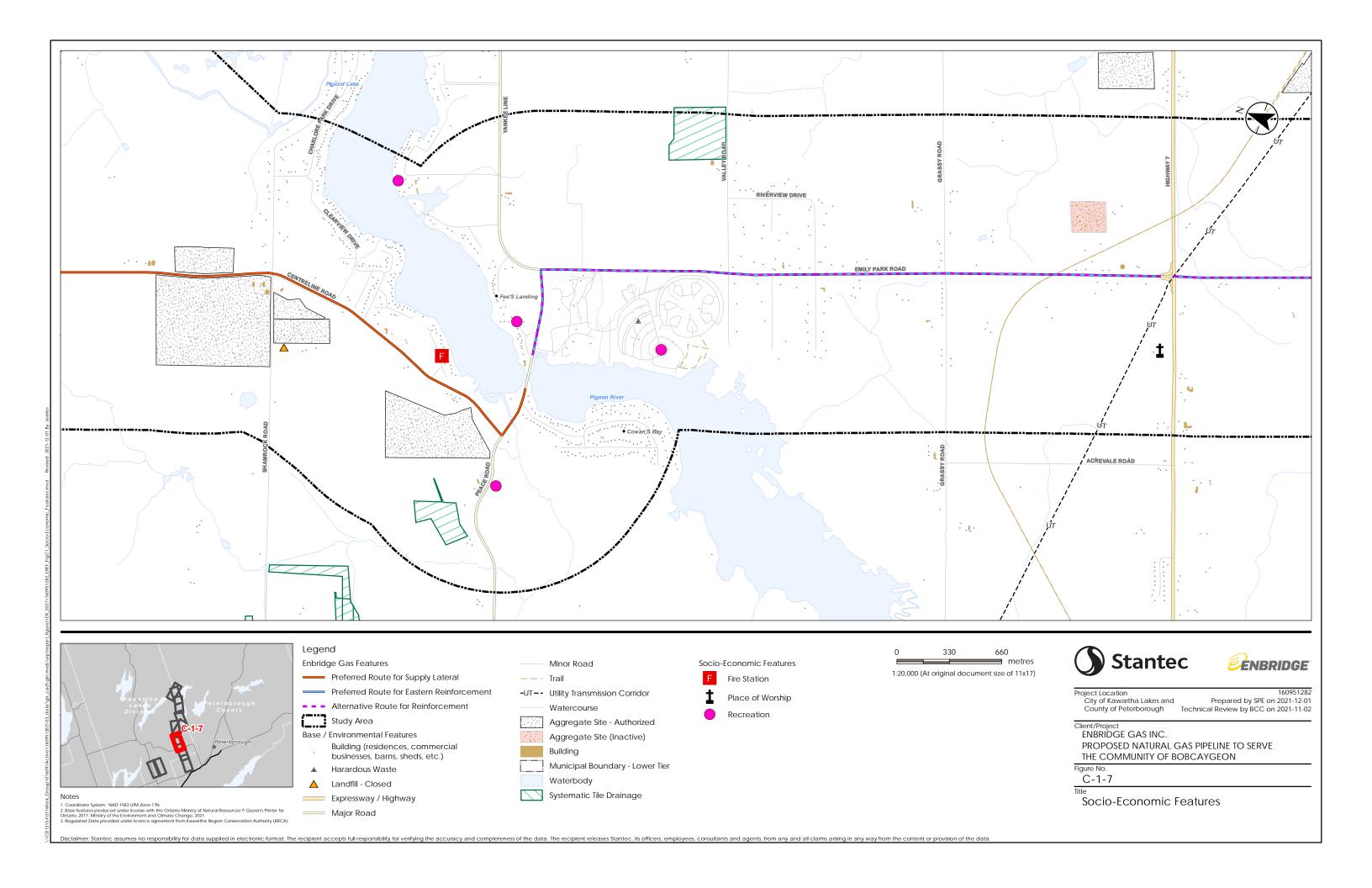
Trailer Park

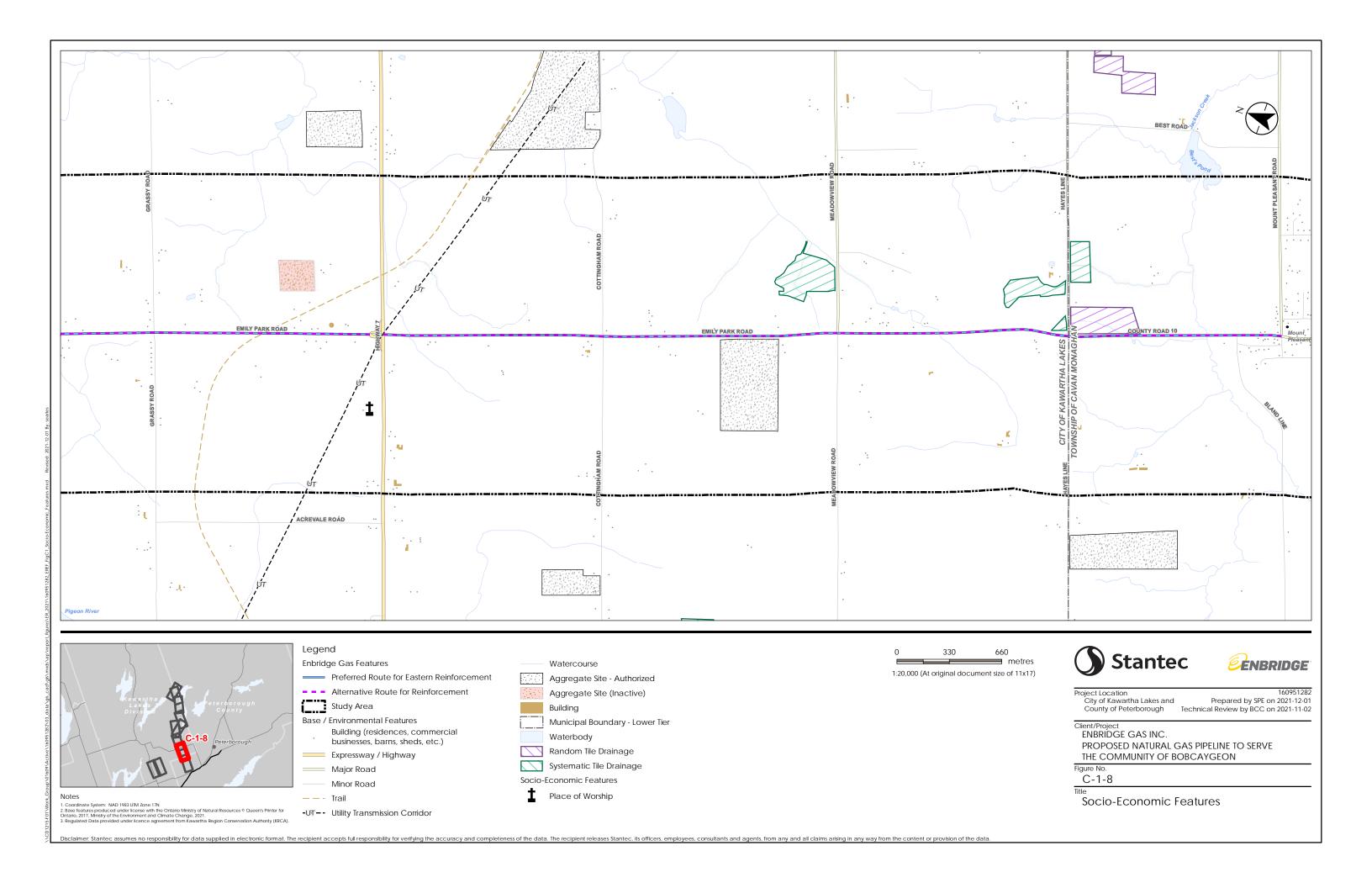
Client/Project ENBRIDGE GAS INC.

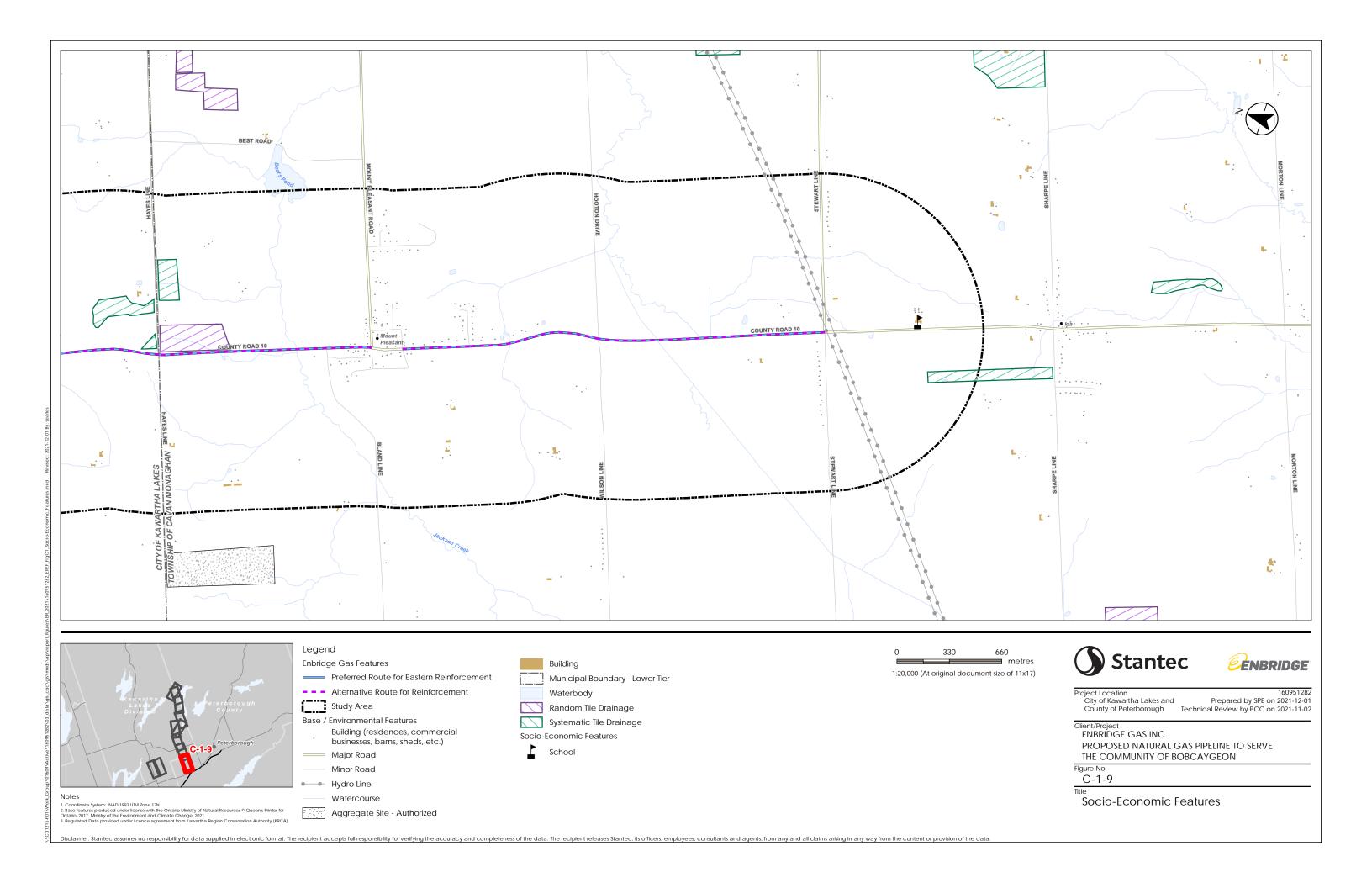
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

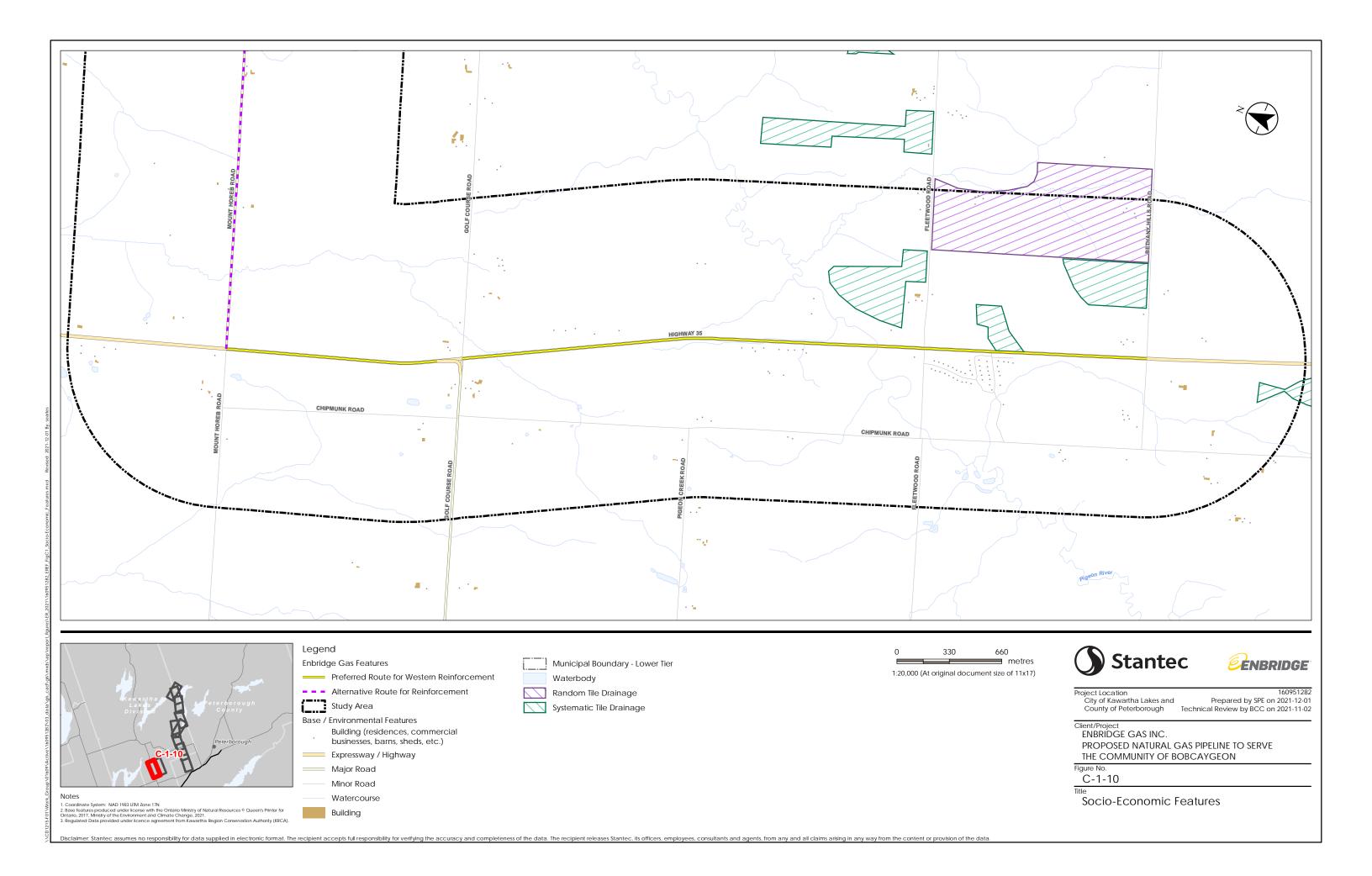
Figure No. C-1-6

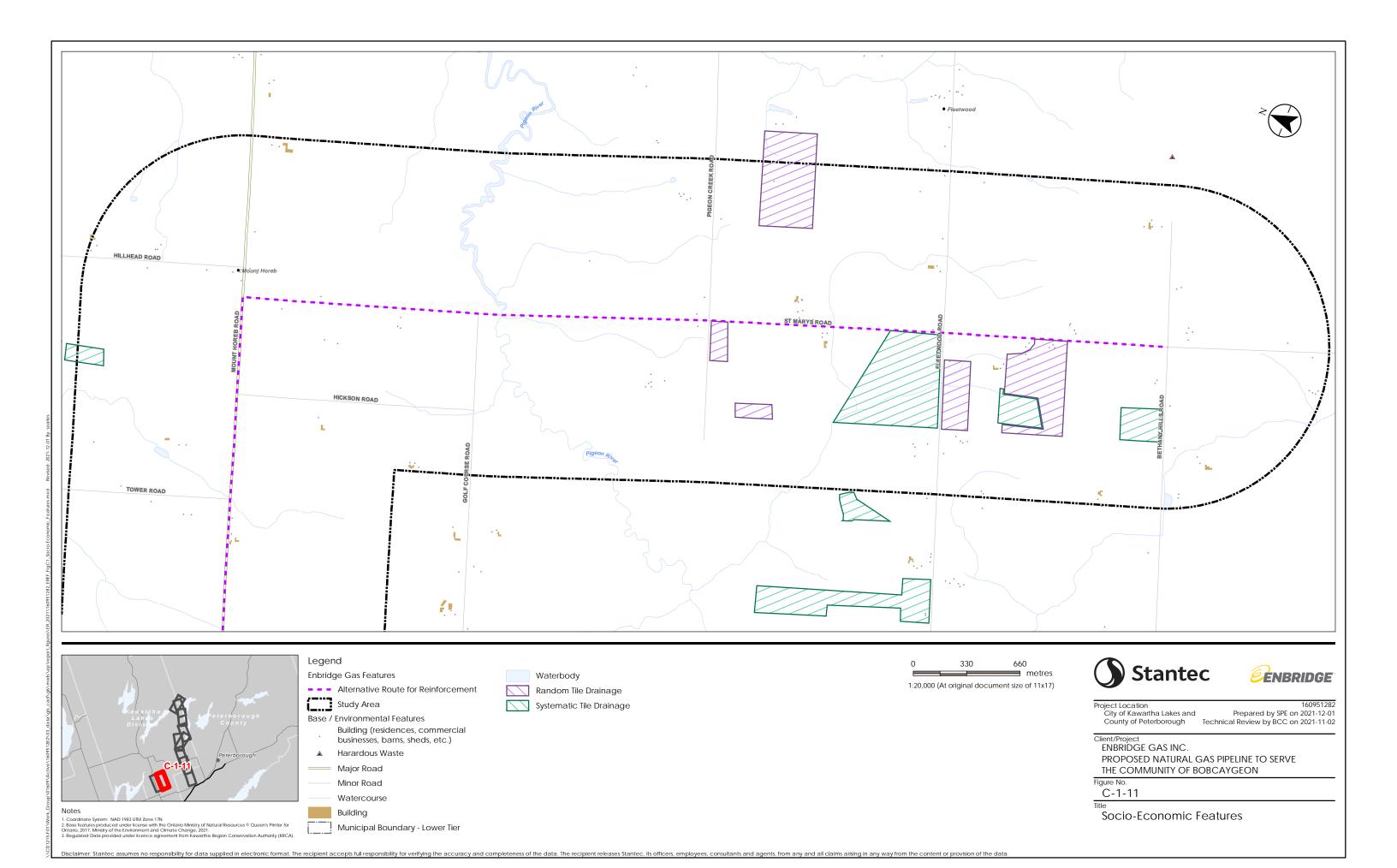
Socio-Economic Features

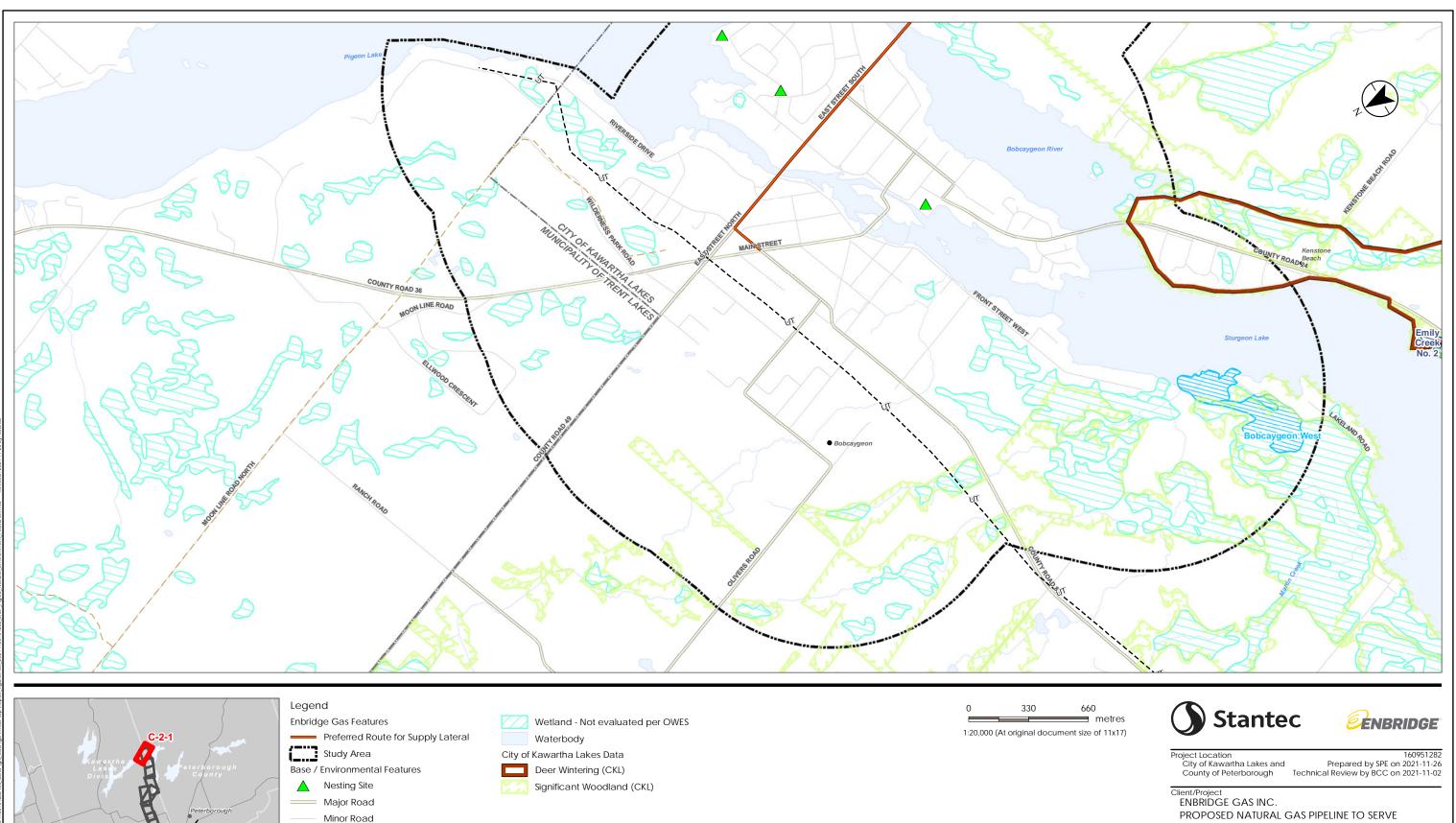












Wetland - Evaluated (Provincial) Wetland - Evaluated (Other)

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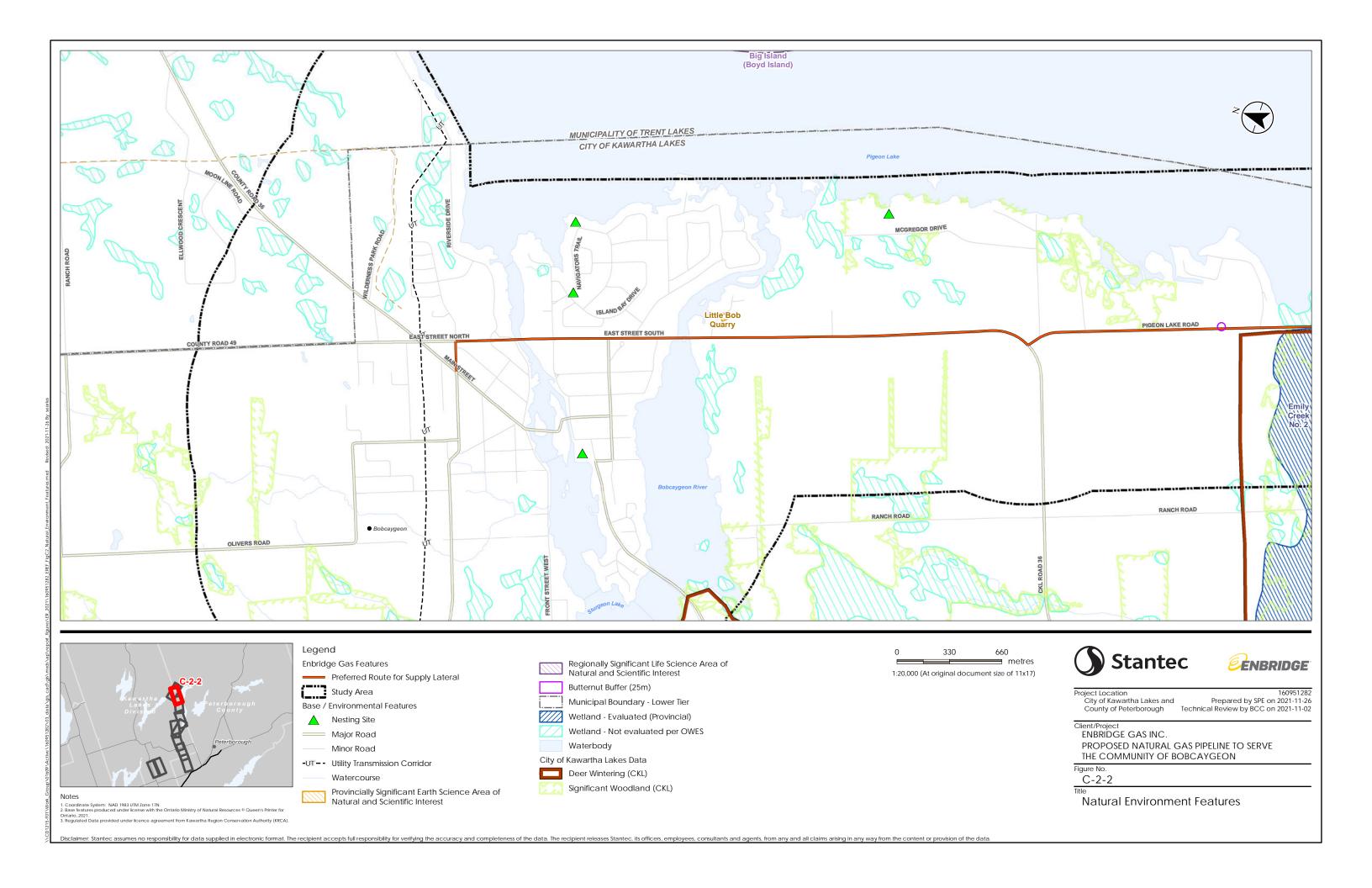
-UT-- Utility Transmission Corridor Watercourse

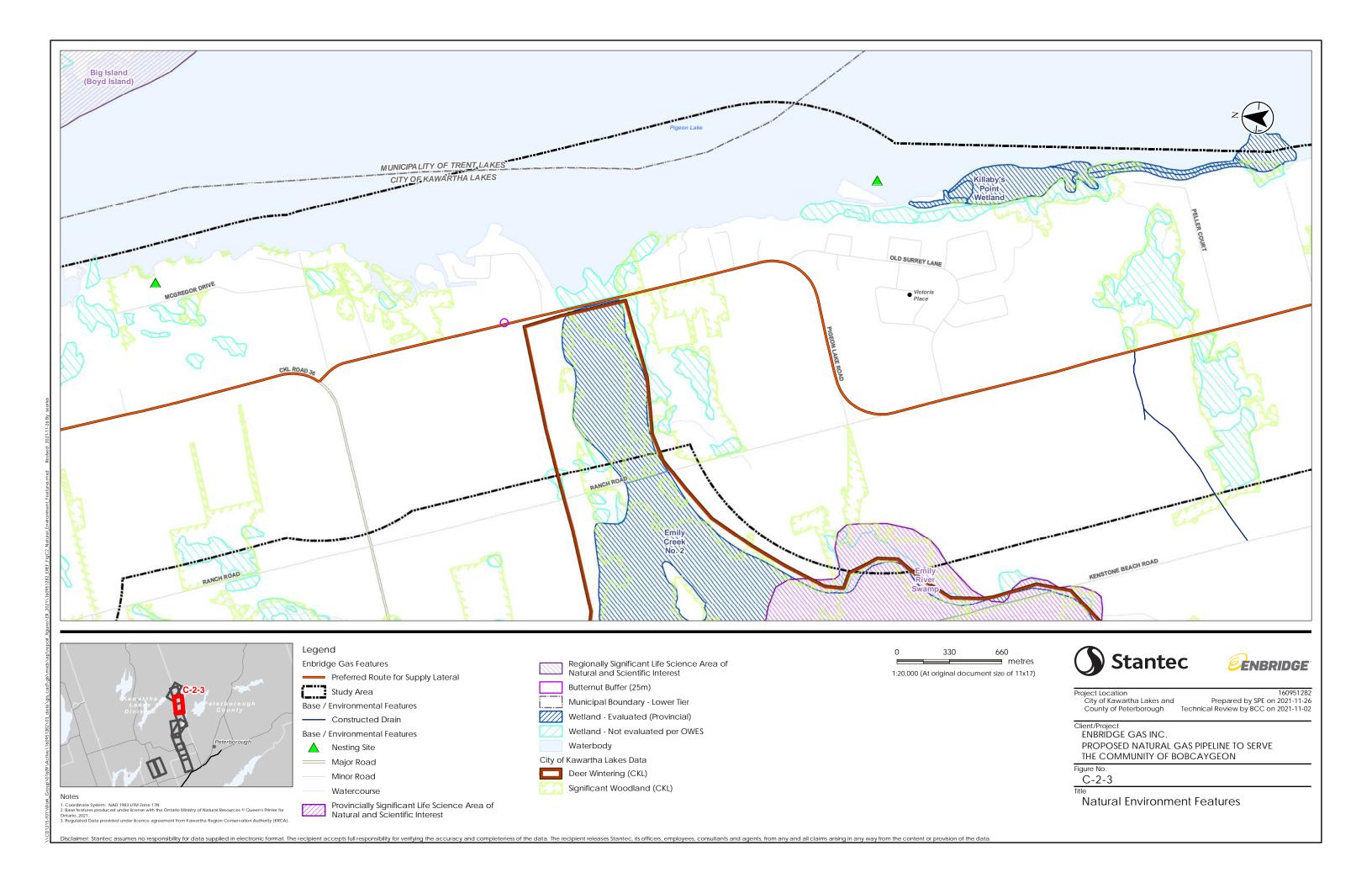
Municipal Boundary - Lower Tier

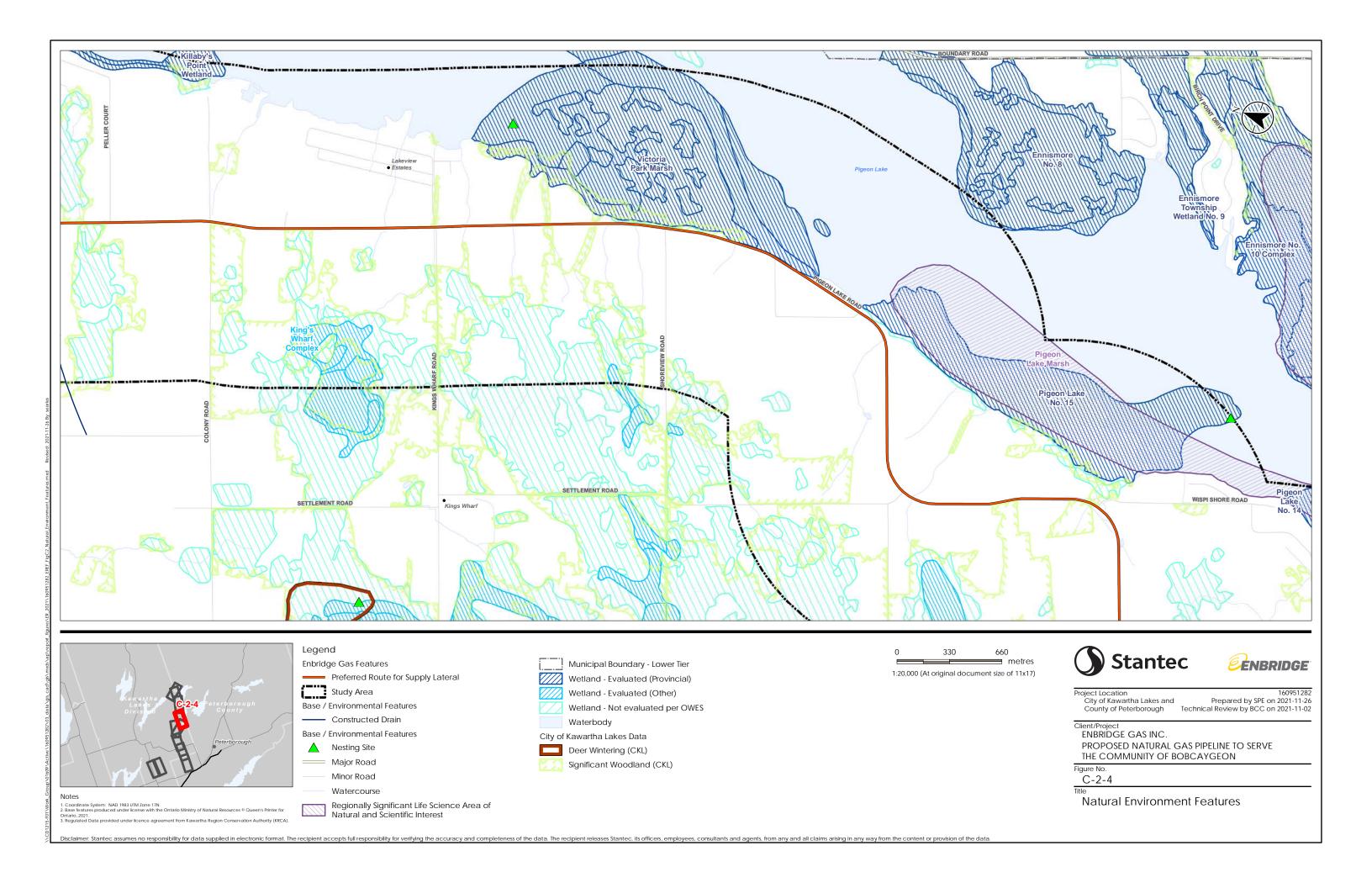
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

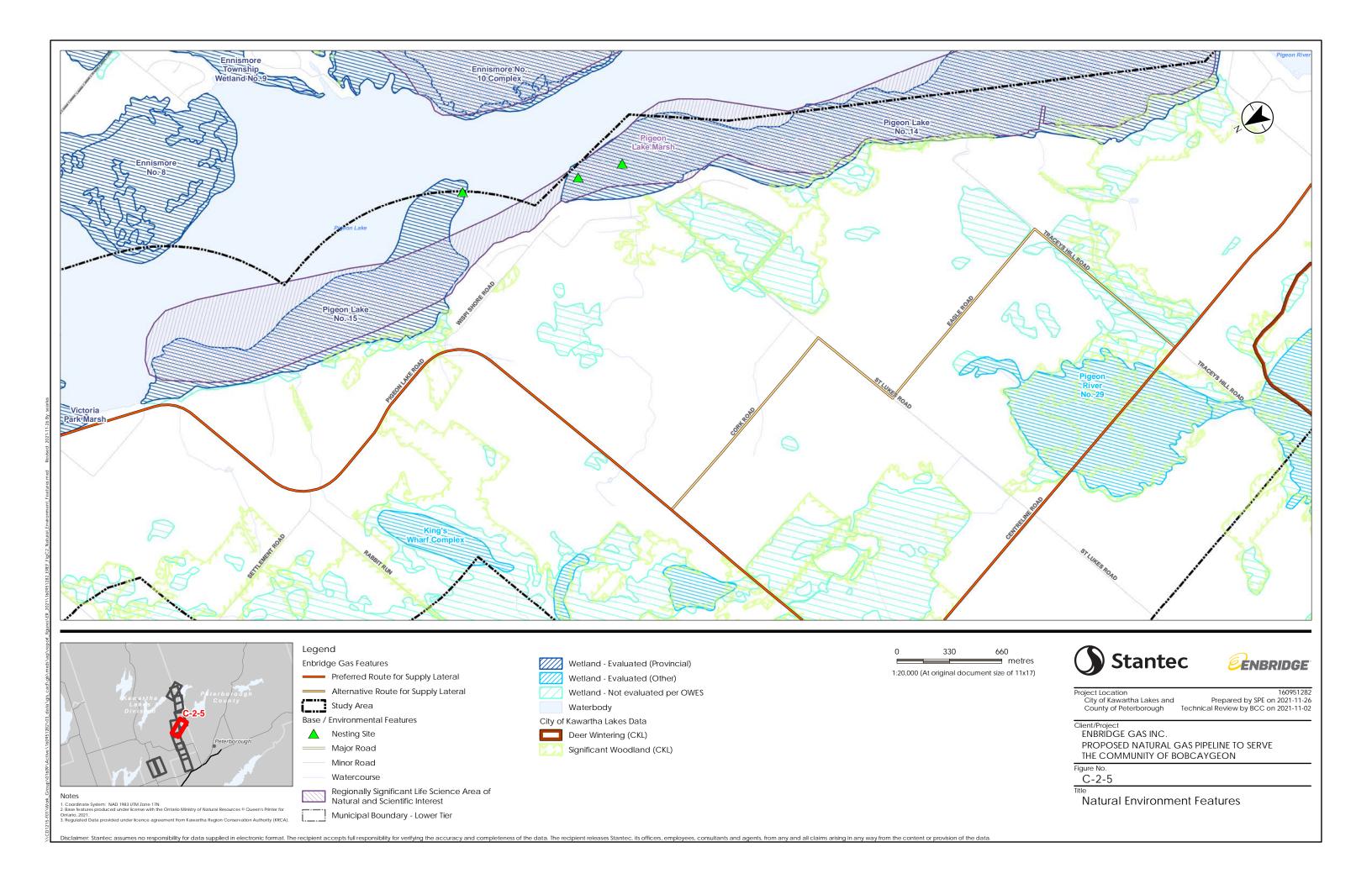
C-2-1

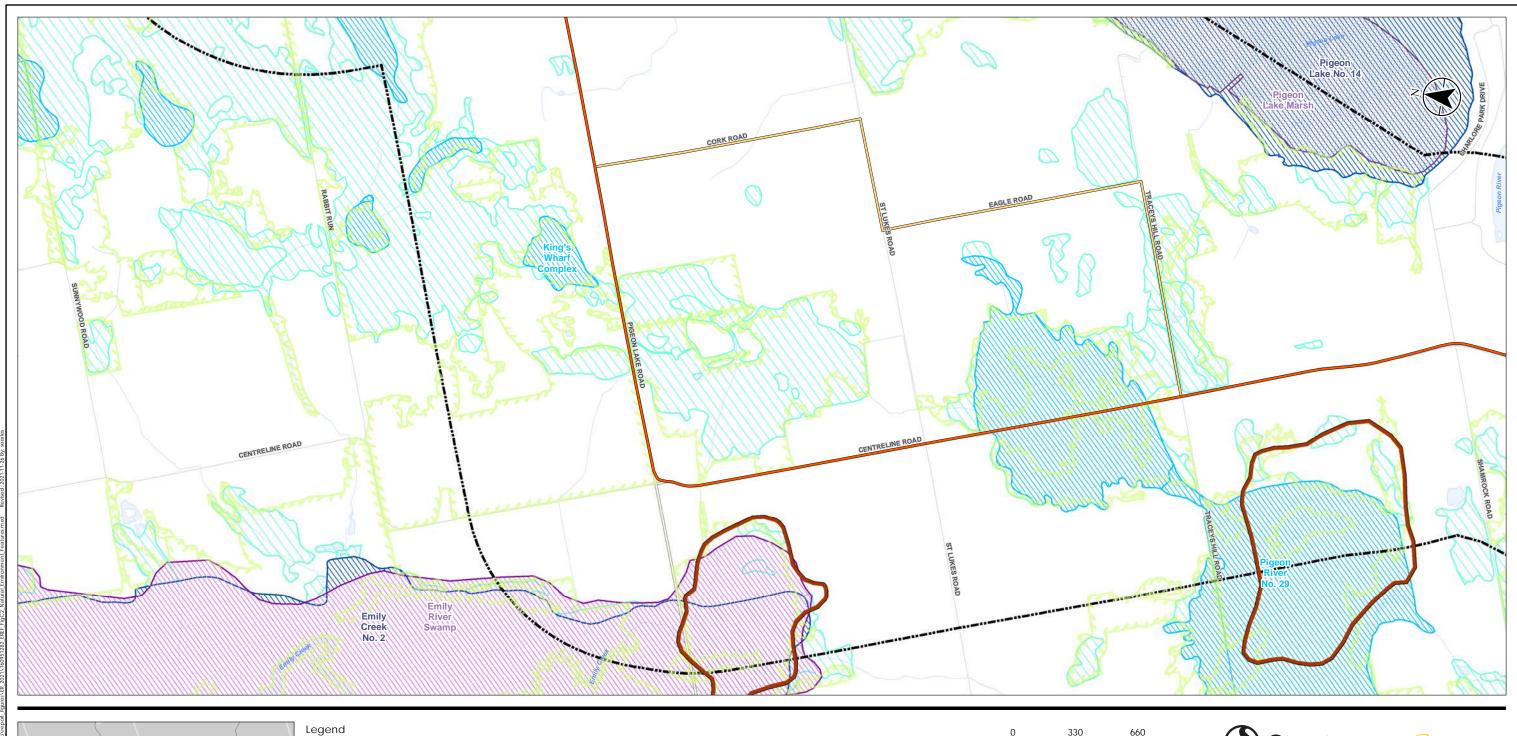
Natural Environment Features

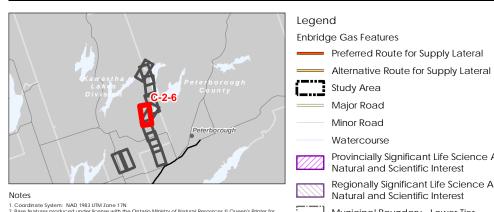












Watercourse

Major Road

Minor Road

Provincially Significant Life Science Area of Natural and Scientific Interest Regionally Significant Life Science Area of Natural and Scientific Interest

Wetland - Evaluated (Provincial)

Wetland - Evaluated (Other)

Wetland - Not evaluated per OWES

Waterbody City of Kawartha Lakes Data

Deer Wintering (CKL)

Significant Woodland (CKL)

330 660 1:20,000 (At original document size of 11x17)



Project Location
City of Kawartha Lakes and
County of Peterborough

160951282 Prepared by SPE on 2021-11-26 Technical Review by BCC on 2021-11-02

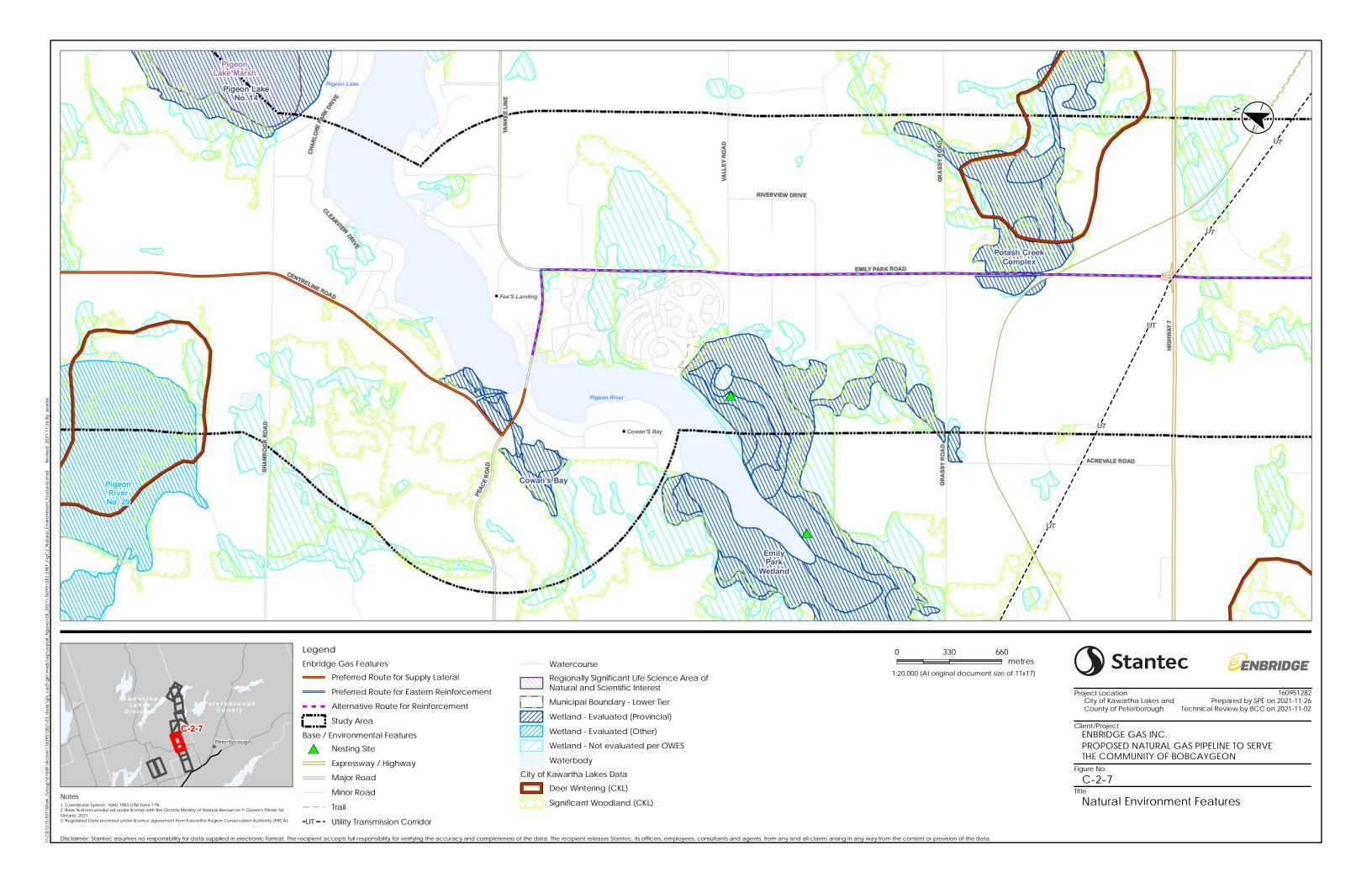
Client/Project ENBRIDGE GAS INC.

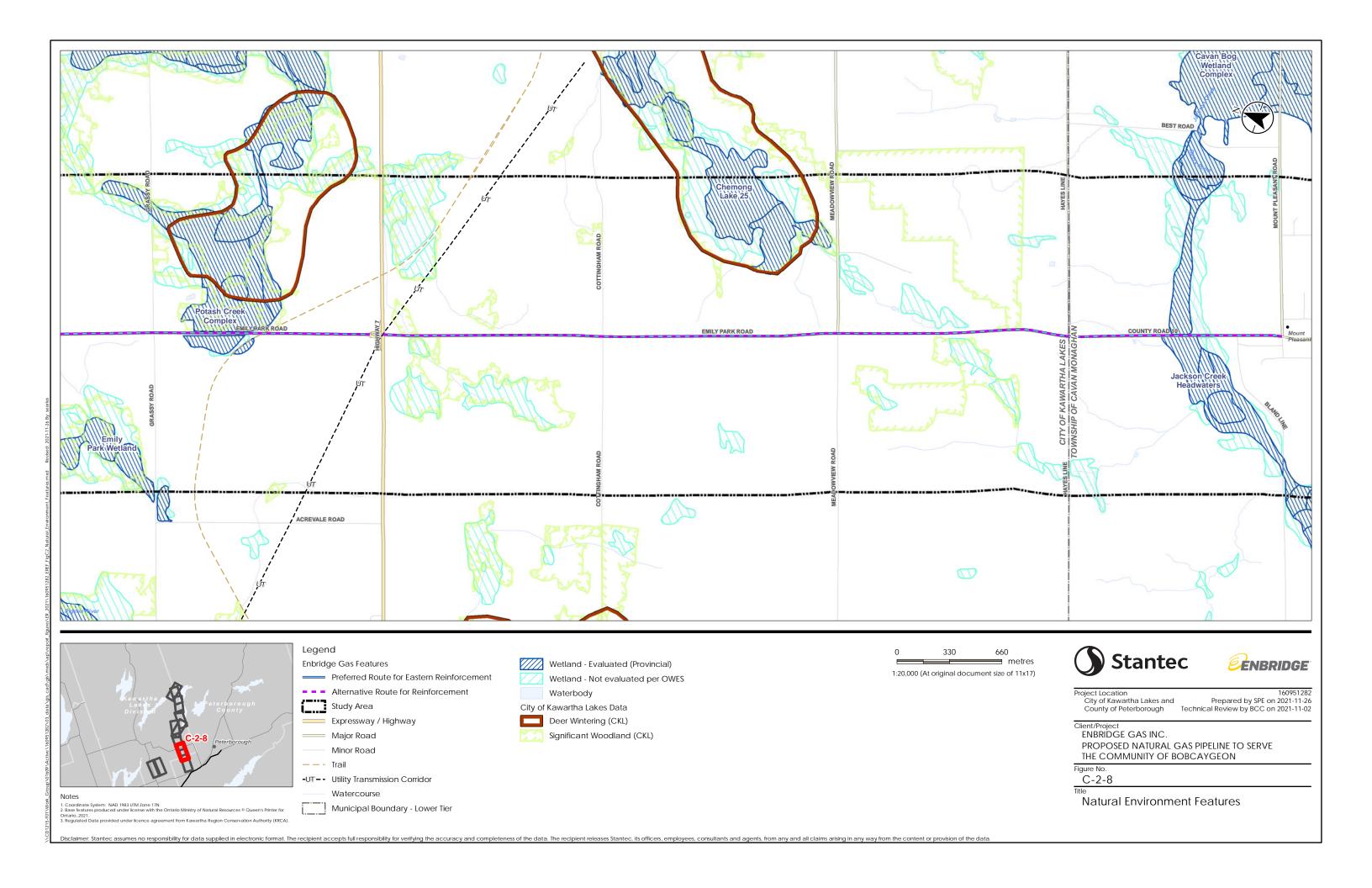
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

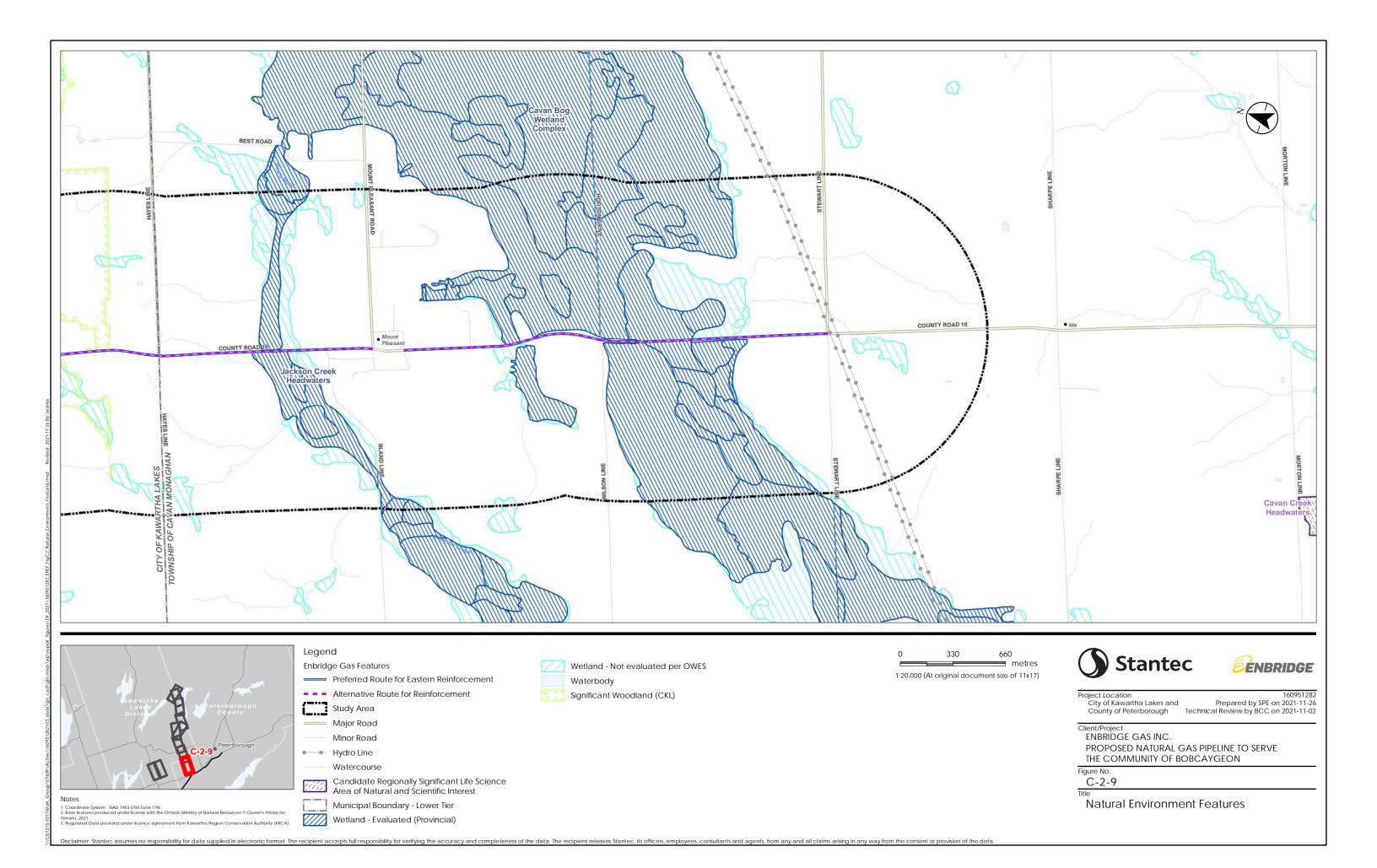
C-2-6

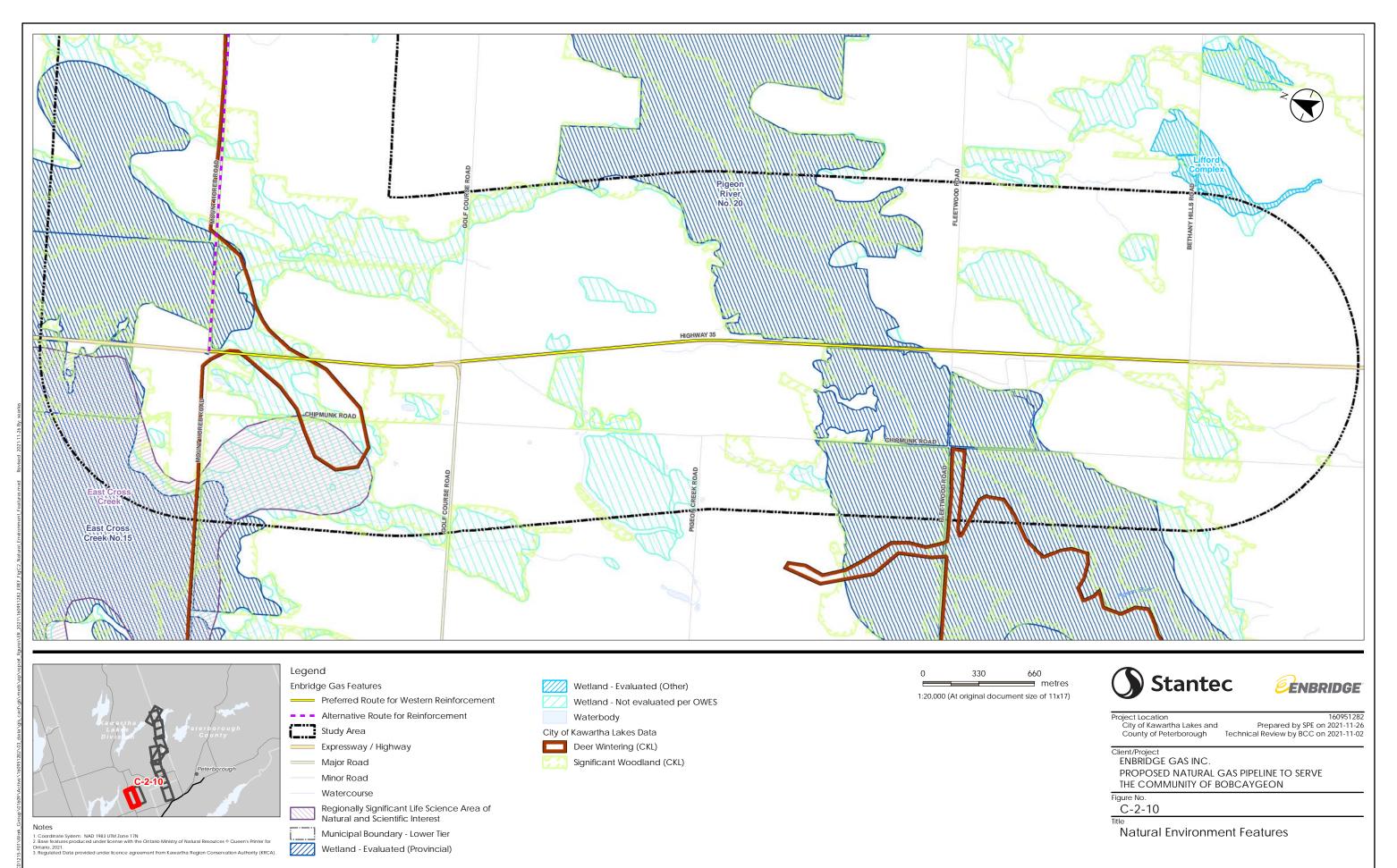
Natural Environment Features

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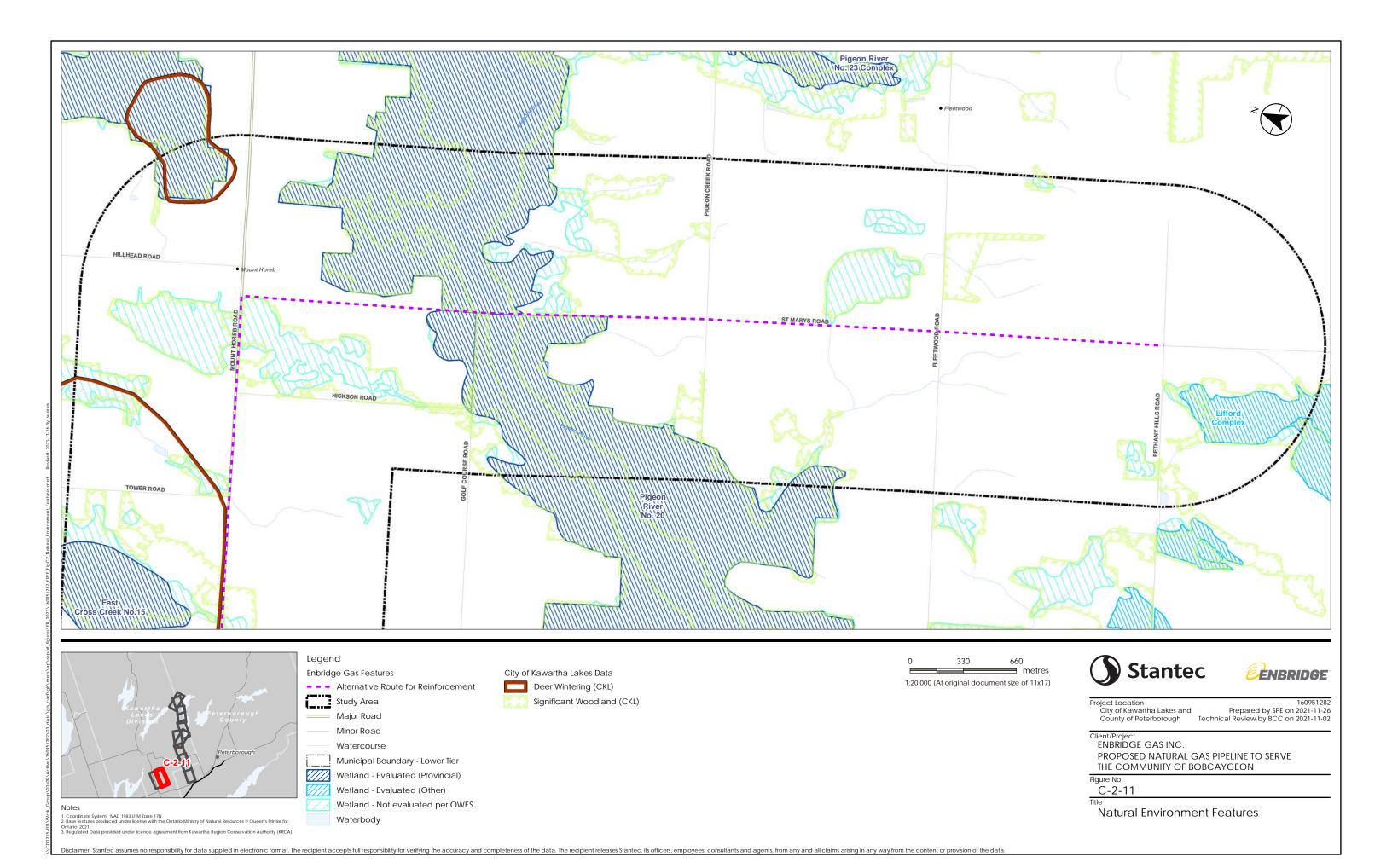


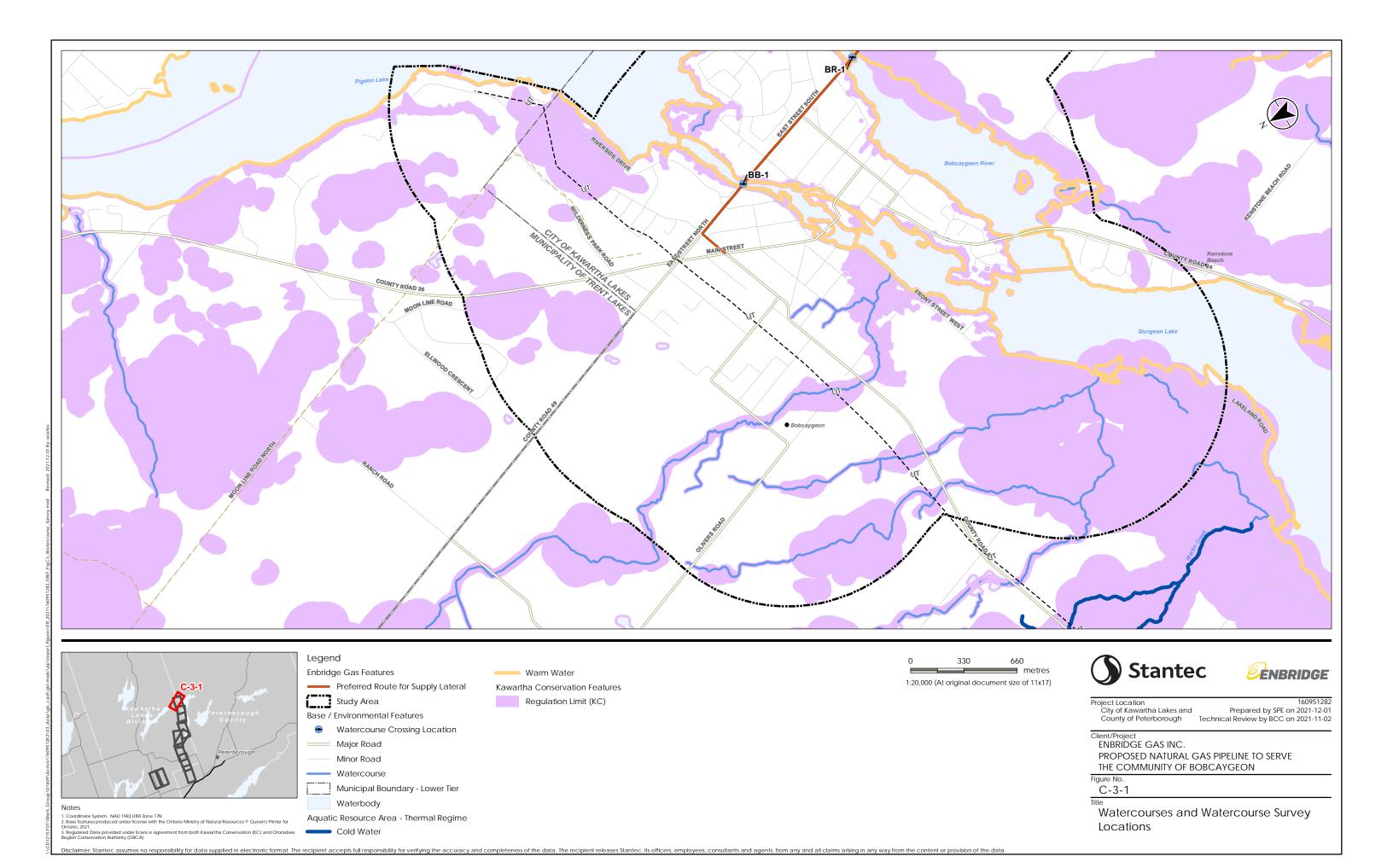


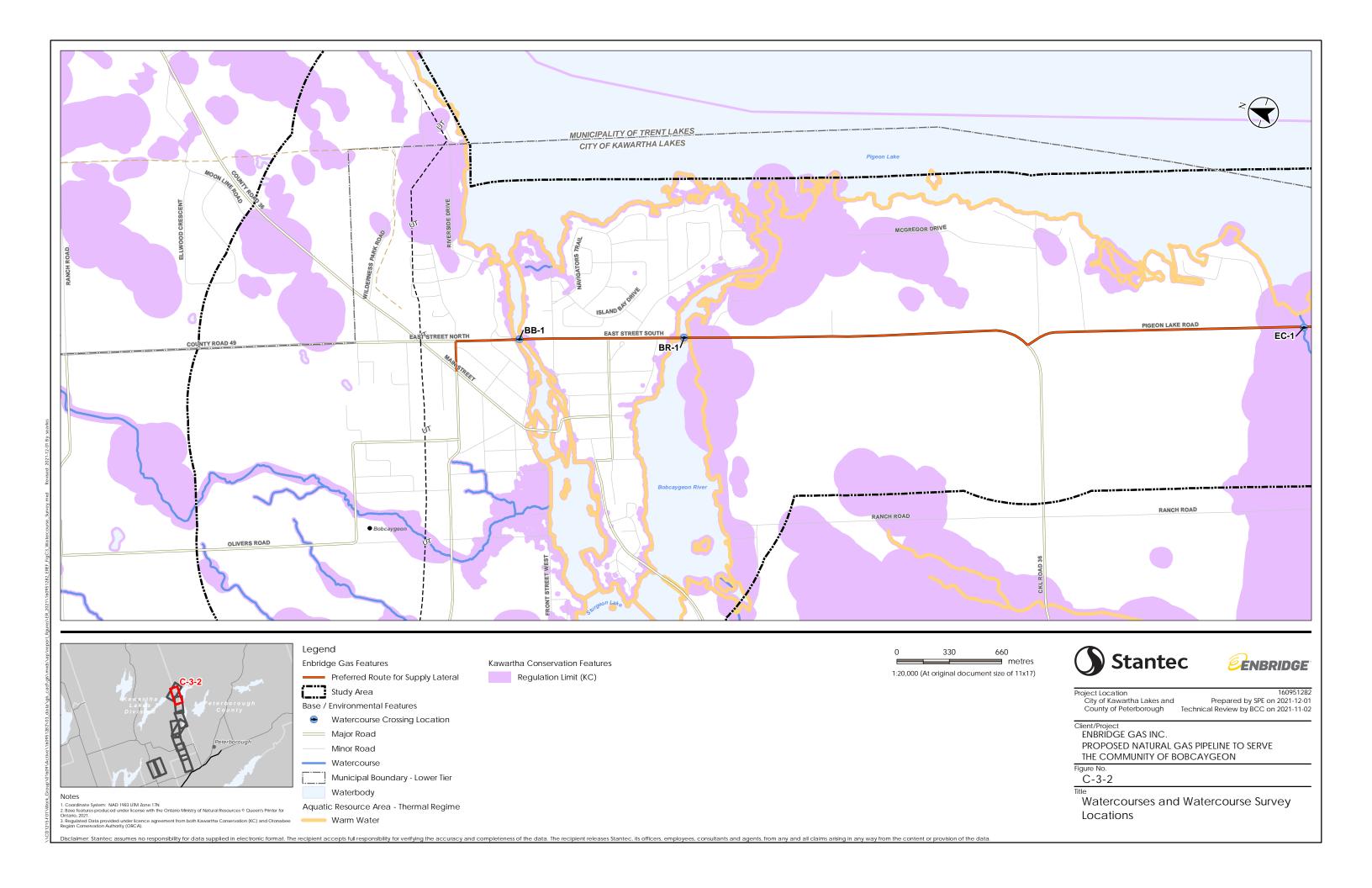


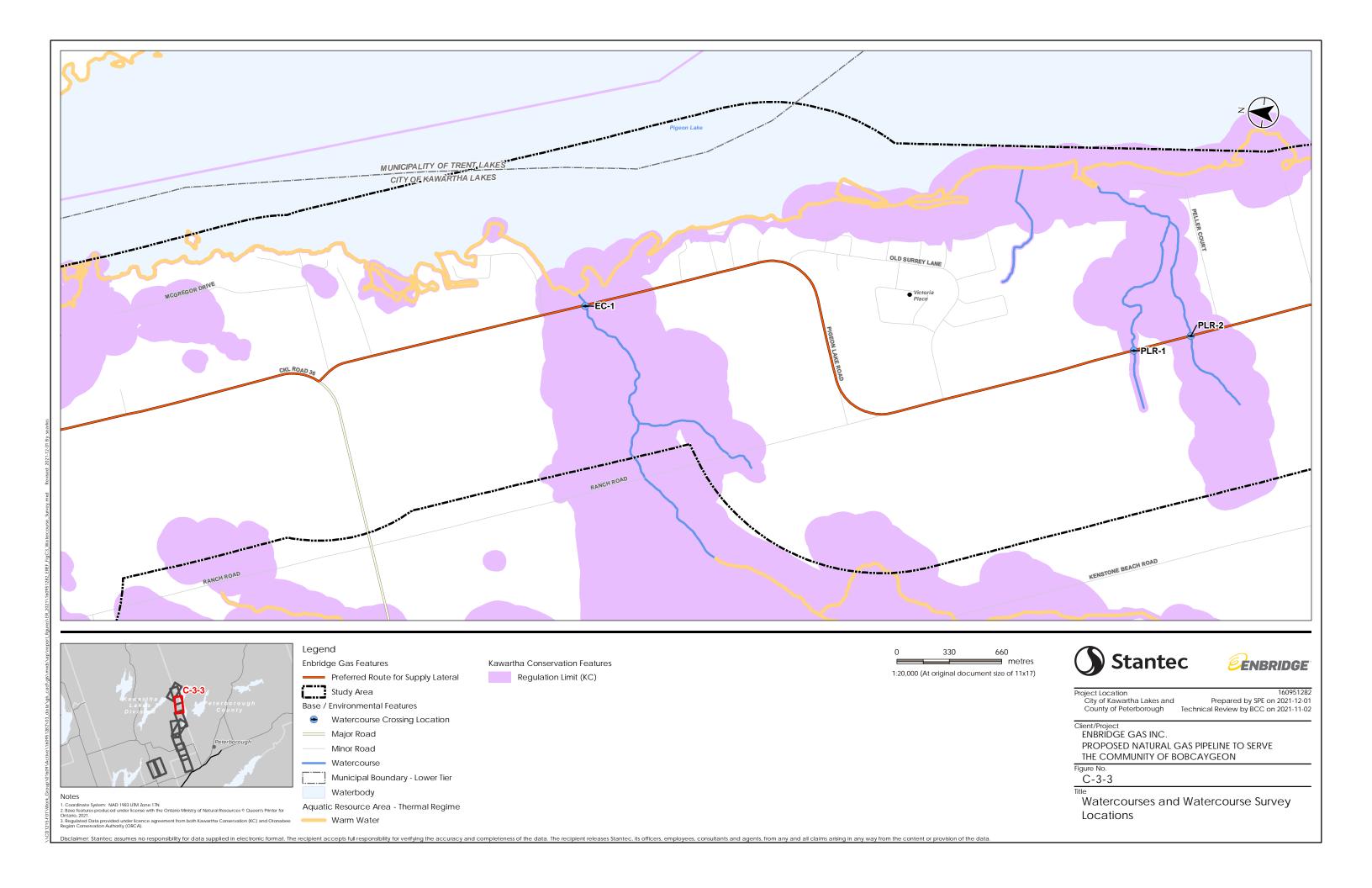


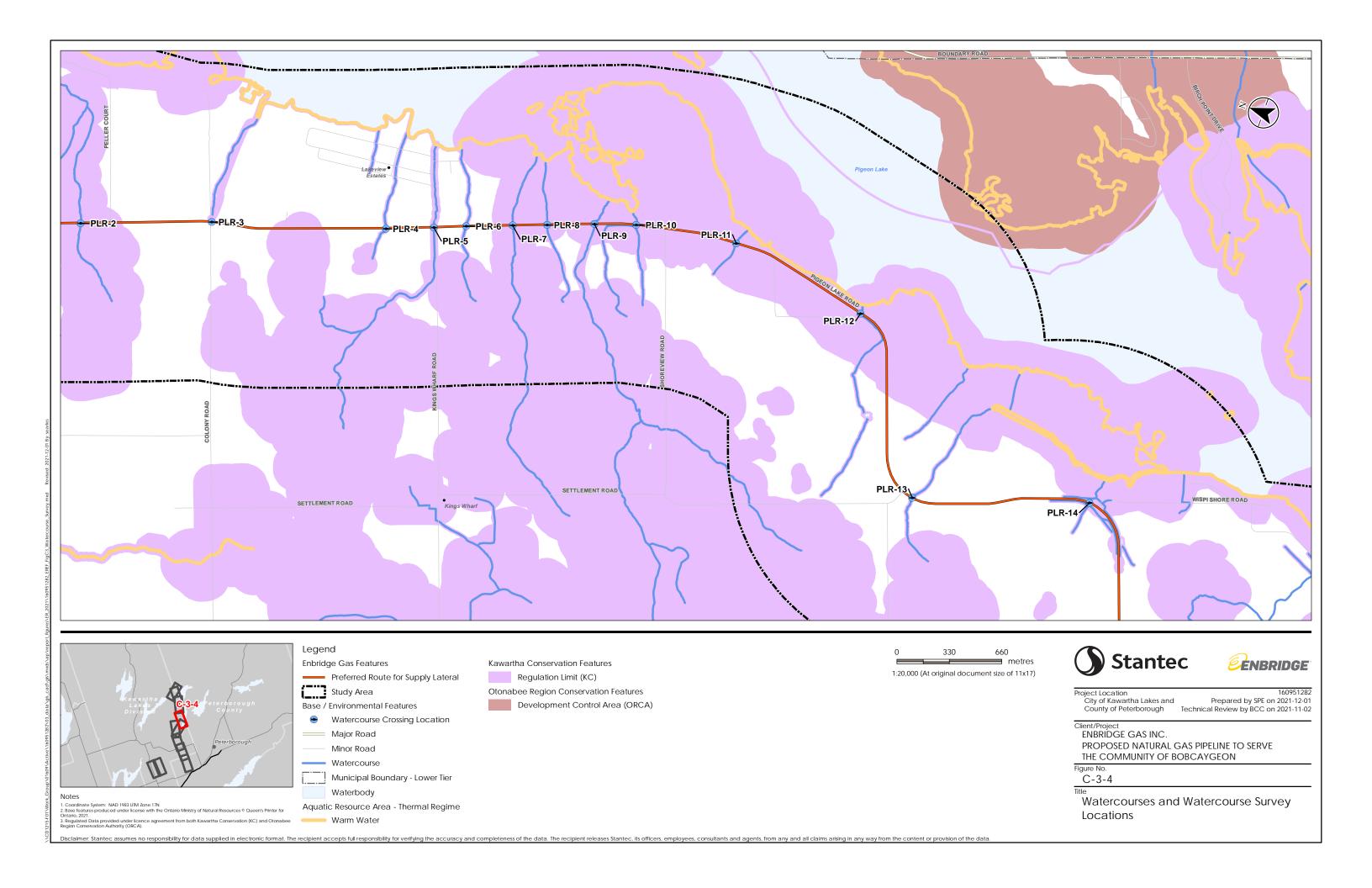
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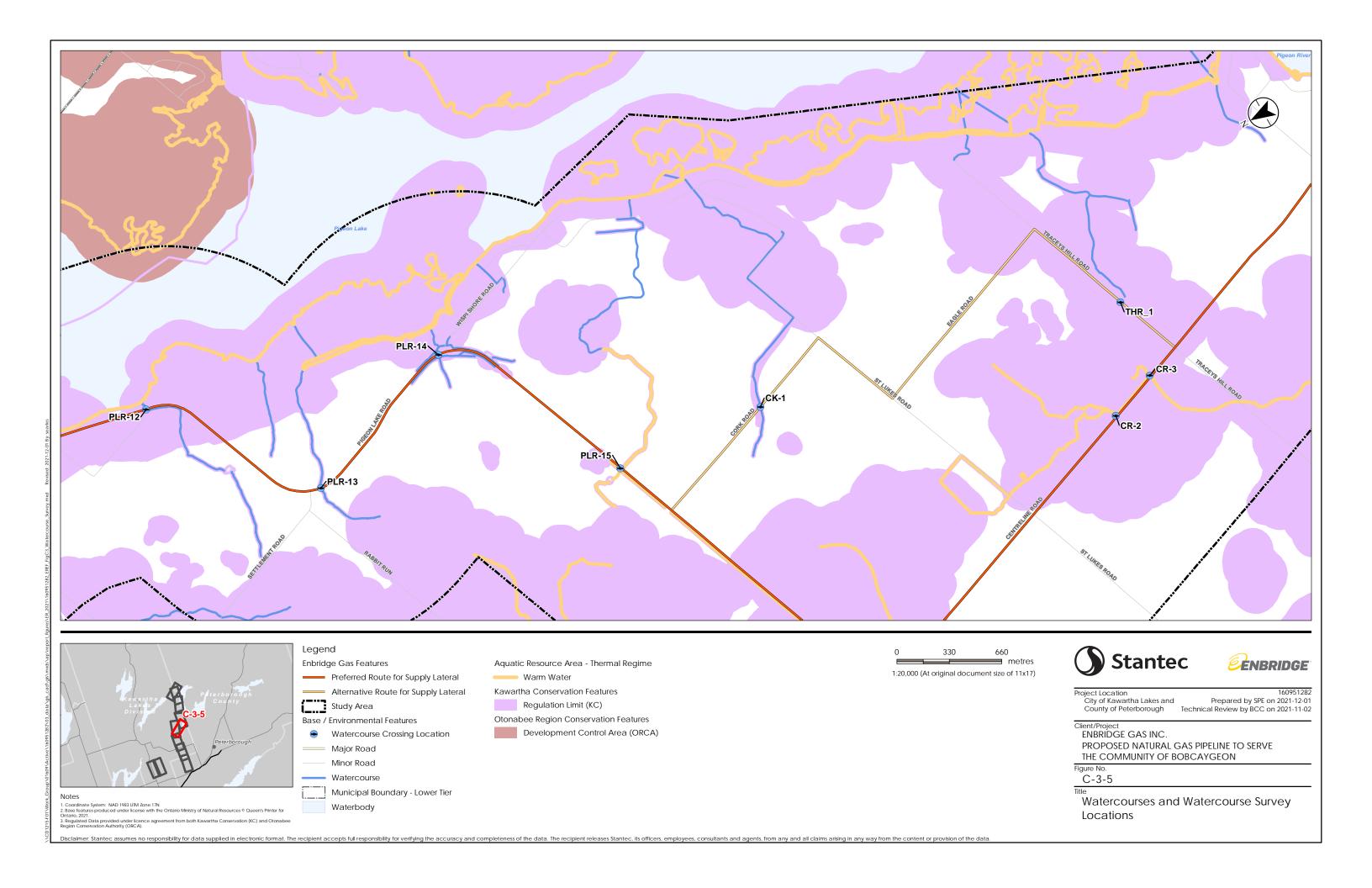


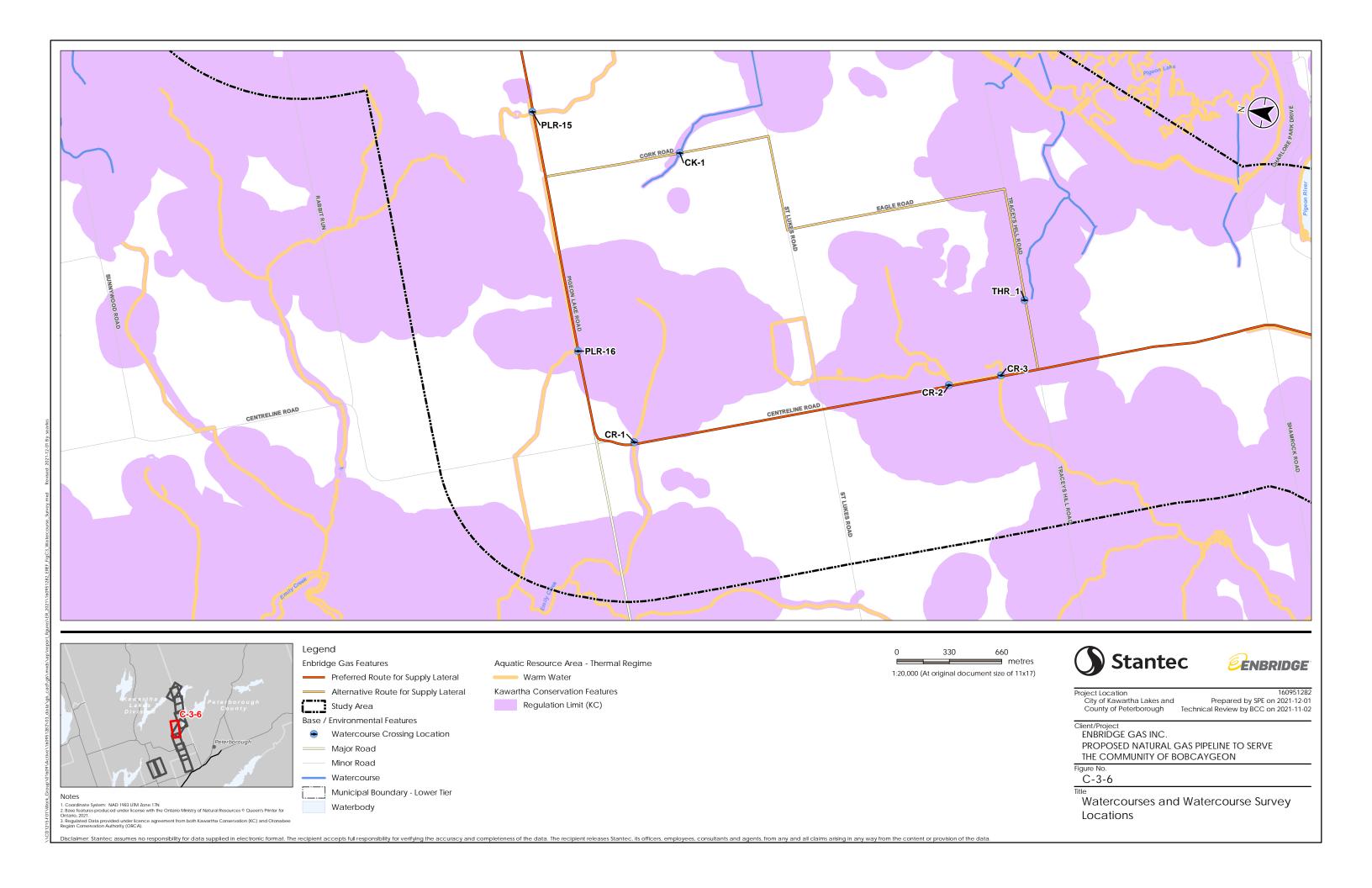


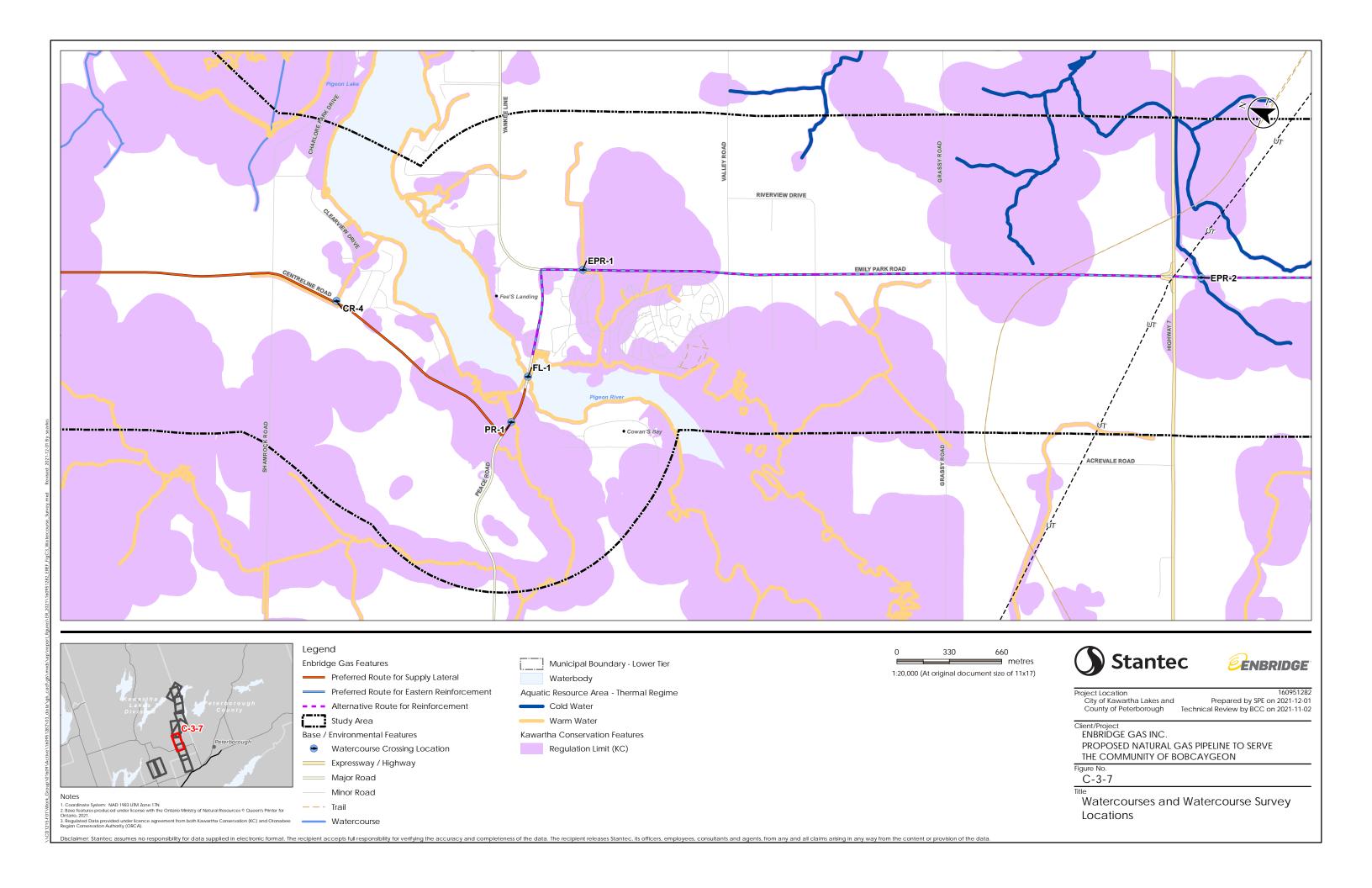


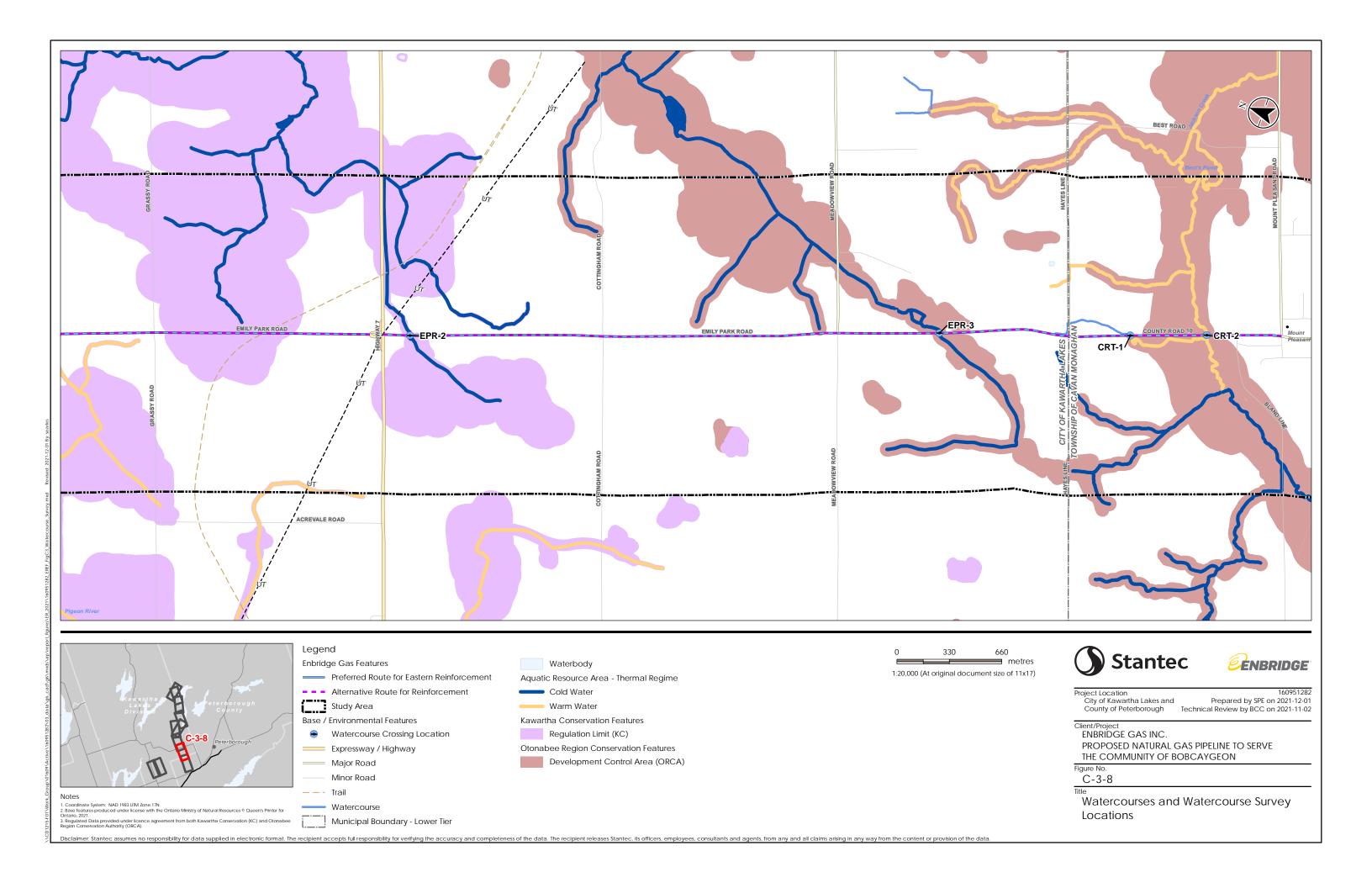


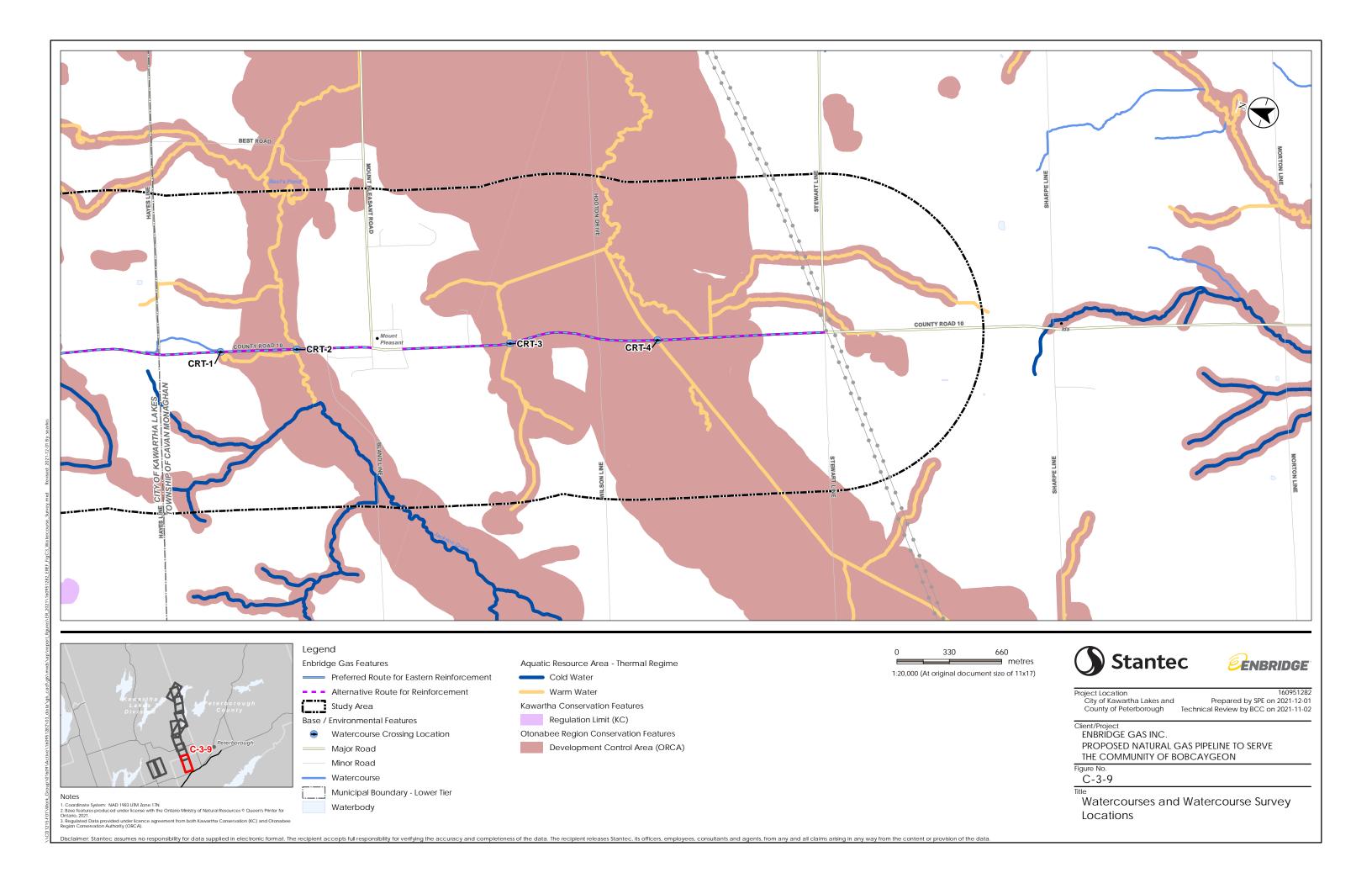


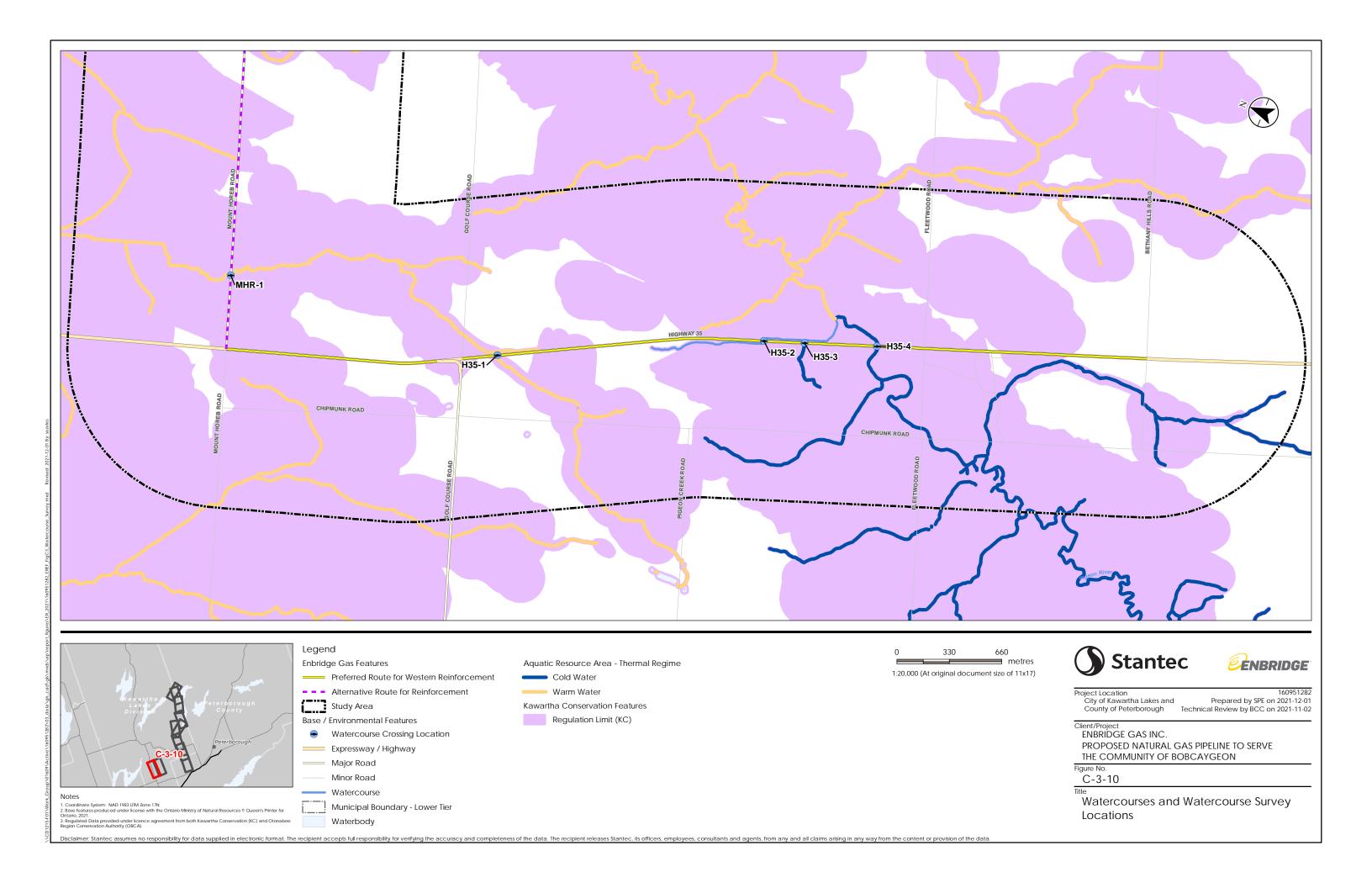


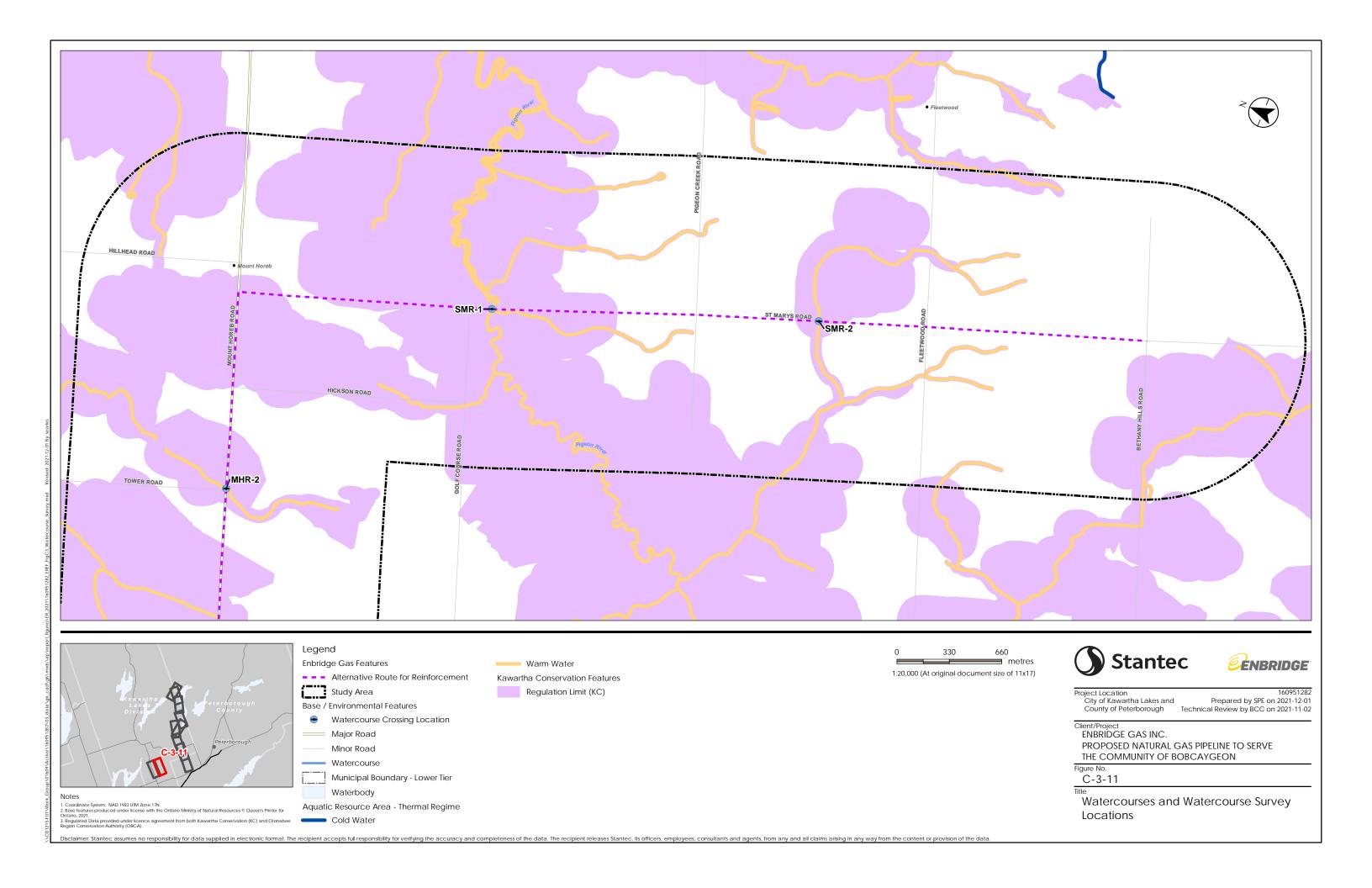


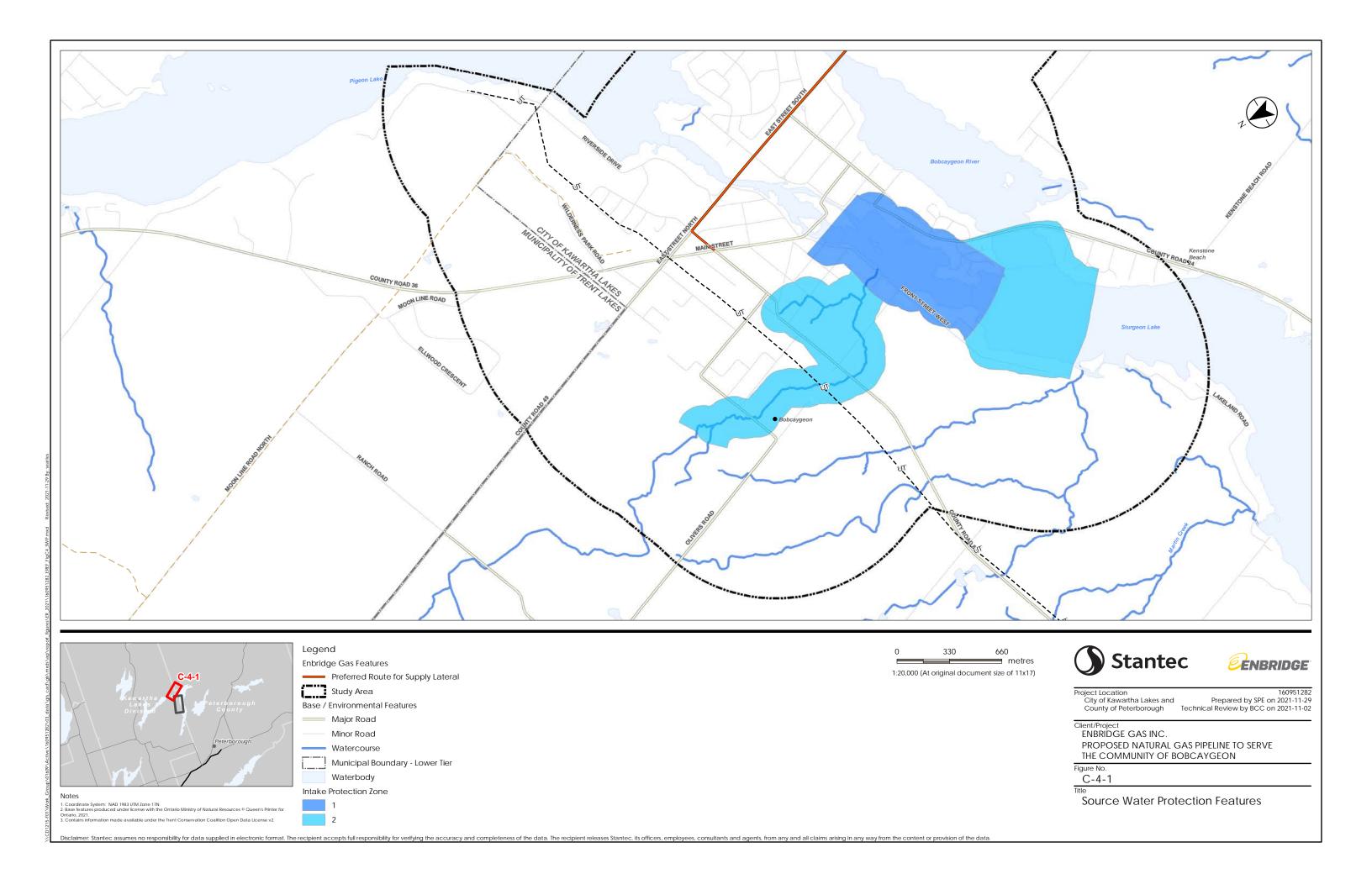


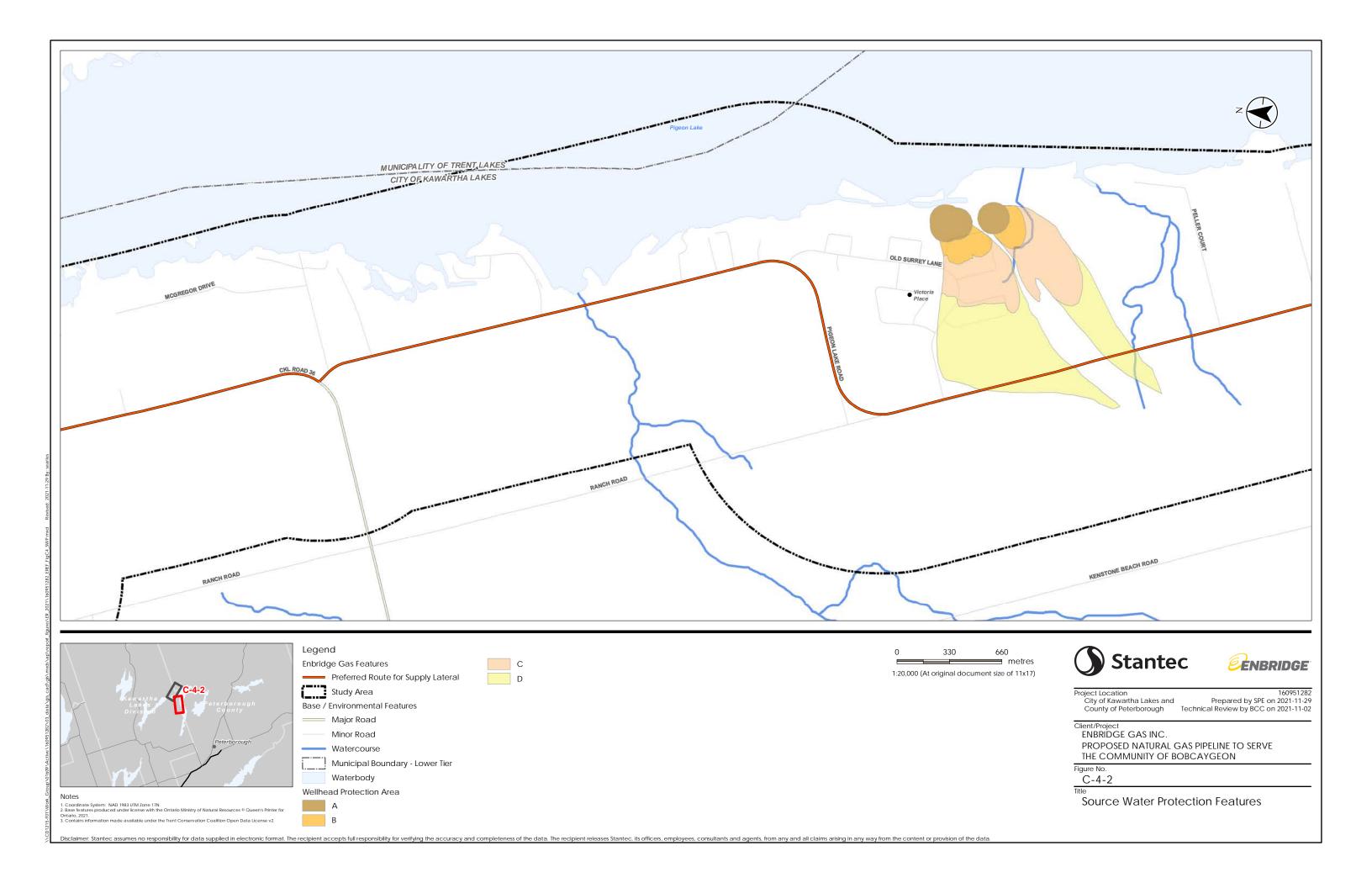












APPENDIX D: WILDLIFE HABITAT ASSESSMENT AND VEGETATION COMMUNITIES



Appendix D: Terrestrial Habitat

Table D-1: Wildlife Habitat Assessment for the Bobcaygeon Community Expansion Project (Ecoregion 6E)

Wildlife Habitat Type	Criteria	Results of Desktop and Field Habitat Assessment
SEASONAL CONCENTRATI	ON AREAS	
Waterfowl Stopover and Staging Area (Terrestrial and Aquatic)	Fields with evidence of annual spring flooding from meltwater or runoff; aquatic habitats such as ponds, marshes, lakes, bays, and watercourses used during migration, including large marshy wetlands.	Candidate SWH present in ponds, marshes and lakes present in the Study Area.
Shorebird Migratory Stopover Area	Beaches and un-vegetated shorelines of lakes, rivers, and wetlands.	Candidate SWH potentially present. Waterbodies present in the Study Area likely have some unvegetated shorelines.
Raptor Wintering Area	Combination of fields and woodland (>20 ha).	Candidate SWH present. Large forests interspersed with meadows present in the Study Area.
Bat Hibernacula	Hibernacula may be found in caves, mine shafts, underground foundations and karsts.	Absent. Caves, mine shafts, and karsts absent.
Bat Maternity Colonies	Maternity colonies considered significant wildlife habitat are found in forested ecosites.	Candidate SWH present in forested areas.
Turtle Wintering Areas	Over-wintering sites are permanent water bodies, large wetlands, and bogs or fens with adequate dissolved oxygen. Water has to be deep enough not to freeze and have soft mud substrate.	Candidate SWH present in various waterbodies throughout the Study Area.
Reptile Hibernaculum	Rock piles or slopes, stone fences, crumbling foundations.	Absent. Candidate SWH not identified within Project footprint during field surveys.
Colonial-Nesting Bird Breeding Habitat (Bank and Cliff)	Eroding banks, sandy hills, steep slopes, rock faces or piles.	Candidate SWH potentially present for bank nesting birds. No cliffs noted during field surveys.
Colonial-Nesting Bird Breeding Habitat (Tree/Shrubs)	Dead trees in large marshes and lakes, flooded timber, and shrubs, with nests of colonially nesting heron species.	Present as identified during the background review of the NHIC.
Colonial-Nesting Bird Breeding Habitat (Ground)	Rock islands and peninsulas in a lake or large river.	Present as identified during the background review of the NHIC.
Migratory Butterfly Stopover Areas	Meadows and forests that are a minimum of 10 ha and are located within 5 km of Lake Erie.	Absent. Study Area is not within 5 km of Lake Erie.
Landbird Migratory Stopover Areas	Woodlands of a minimum size located within 5 km of Lake Ontario.	Absent. Study Area is not within 5 km of Lake Erie.

Appendix D: Terrestrial Habitat

Table D-1: Wildlife Habitat Assessment for the Bobcaygeon Community Expansion Project (Ecoregion 6E)

Wildlife Habitat Type	Criteria	Results of Desktop and Field Habitat Assessment
Deer Yarding or Winter Congregation Areas	Deer winter congregation's areas are mapped by MNRF and species use surveys are not required.	Present . Records of deer winter congregation areas were identified by MNRF in the Study Area.
RARE VEGETATION COMM	UNITIES	
Sand Barren, Alvar, Cliffs and Talus Slopes	Sand barren, Alvar, Cliff and Talus ELC Community Classes, and other areas of exposed bed rock and patchy soil development, near vertical exposed bedrock and slopes of rock rubble.	To be confirmed during future ELC surveys.
Old-growth Forest	Relatively undisturbed, structurally complex; dominant trees >100 years' old.	Absent.
Tallgrass Prairie and Savannah	Open canopy habitats (tree cover < 60%) dominated by prairie species.	Absent.
Other Rare Vegetation Communities	Provincially Rare S1, S2 and S3 vegetation communities listed by the NHIC.	To be confirmed during future ELC surveys.
SPECIALIZED HABITAT FO	R WILDLIFE	
Waterfowl Nesting Area	Upland habitats adjacent to wetlands (within 120 m).	Candidate SWH present within wetlands throughout the Study Area and adjacent upland areas.
Bald Eagle and Osprey nesting, Foraging, and Perching Habitat	Treed communities adjacent to rivers, lakes, ponds, and other wetlands with stick nests of Bald Eagle or Osprey.	Candidate SWH potentially present in Study Area, but large stick nests not documented during site visits.
Woodland Raptor Nesting Habitat	Forested ELC communities >30 ha with 10 ha of interior habitat.	Candidate SWH present in large forest tracts.
Turtle Nesting Areas	Exposed soil, including sand and gravel in open sunny areas near wetlands.	Candidate SWH potentially present.
Seeps and Springs	Any forested area with groundwater at surface within the headwaters of a stream or river system.	Candidate SWH potentially present
Amphibian Breeding Habitat (Woodland and Wetland)	Treed uplands with vernal pools, and wetland ecosites.	Candidate SWH present in wetlands and/or woodlands.
Woodland Area-sensitive Bird Breeding Habitat	Large mature forest stands, woodlots >30 ha and >200 m from the forest edge.	Candidate SWH present in large forest tracts.

Appendix D: Terrestrial Habitat

Table D-1: Wildlife Habitat Assessment for the Bobcaygeon Community Expansion Project (Ecoregion 6E)

Wildlife Habitat Type	Criteria	Results of Desktop and Field Habitat Assessment		
HABITAT FOR SPECIES OF CONSERVATION CONCERN				
Marsh Bird Breeding Habitat	Wetlands with shallow water and emergent aquatic vegetation.	Candidate SWH present in wetlands.		
Open Country Bird Breeding Habitat	Large grasslands and fields (>30 ha).	Candidate SWH present in large pastures, meadows, fields.		
Shrub/Early Successional Bird Breeding Habitat	Large shrub and thicket habitats (>10 ha).	Candidate SWH present in large thickets.		
Terrestrial Crayfish	Wet meadows and edges of shallow marshes.	Candidate SWH potentially present.		
SPECIES OF CONSERVATION CONCERN ¹				
ANIMAL MOVEMENT CORR	IDORS			
Amphibian Movement Corridor	Corridors may be found in all ecosites associated with water. Determined based on identifying significant amphibian breeding habitat (wetland).	Candidate SWH present due to the likely presence of amphibian habitat in the Study Area. Associated with watercourses and swales.		
Deer Movement Corridors	Corridors may be found in all forested ecosites.	Candidate SWH present due to the presence of deer overwintering habitat. Associated with forested features.		

 $^{^{\}rm 1}$ See Table 3.5 in the body of the report for details on candidate SOCC

APPENDIX E: STAGE 1 ARCHAEOLOGICAL ASSESSMENT





Stage 1 Archaeological Assessment: Bobcaygeon Community Expansion Project

Various Lots and Concessions, Geographical Townships of Emily and Verulam, Victoria County, Geographical Township of Harvey, Peterborough County, and Geographical Townships of Manvers and Cavan, Durham County, Ontario

February 9, 2022

Prepared for:

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PIF Number: P415-0323-2021

Project #: 160951282

ORIGINAL REPORT



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APPENDIX A - Michi Saagiig Background - Historical Context



Land Acknowledgement

We respectfully and thoughtfully acknowledge that the Bobcaygeon Community Expansion Project resides on Michi Saagiig (commonly referred to as the Mississauga First Nations), Treaty 20 territory. Since time immemorial, these lands and waters were, and are today, the traditional territory of the Michi Saagiig and Chippewa Nations, collectively known as the Williams Treaties First Nations. This includes Curve Lake First Nation, Hiawatha First Nation, Alderville First Nation, Beausoleil First Nation, Chippewas of Georgina Island First Nation, Chippewas of Scugog Island First Nation, and Chippewas of Rama First Nation. Additionally, we would gratefully recognize that the Project area is also on the ancestral lands of the Huron Wendat Nation.

Executive Summary

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline. Specifically, the Project is located within various lots in the geographical townships of Emily and Verulam, former Victoria County, geographical Township of Harvey, former Peterborough County, and the geographical townships of Manvers and Cavan, former Durham County. The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). The preliminary preferred route and potential alternative route are described below.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt. Horeb Road and St. Marys Road, ending at Bethany Hills Road.

Enbridge retained Stantec Consulting Ltd. (Stantec) to undertake an environmental study of the construction and operation of the proposed natural gas pipelines. As part of the environmental study, Stantec completed a Stage 1 archaeological assessment of the preferred and alternative routes for the project. This assessment was triggered by the Ontario Energy Board's *Environmental Guidelines for the Location, Construction and Operation of Hydrocarbon Pipelines and Facilities in Ontario - 7th Edition* and was completed with reference to the *Ontario Heritage Act*.



The Stage 1 archaeological assessment, involving background research and a property inspection, resulted in the determination that portions of the study area were observed to exhibit potential for the identification and recovery of archaeological resources. In accordance with Section 1.3.1 and Section 7.7.4 of the Ministry of Heritage, Sport, Tourism and Culture Industries' (MHSTCI) 2011 *Standards and Guidelines for Consultant Archaeologists*, **Stage 2 archaeological assessment is recommended for portions of the study area which have been identified as retaining archaeological potential.**Detailed recommendations can be found in the body of the report.

Portions of the Project study area have been subject to previous archaeological assessments The recommendations from those reports, both pertaining to the general Project study area and the preferred routing options, have been carried forward to this report.

Any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada will require assessment under Parks Canada policy and standards, which differ from the MHSTCI *Standards and Guidelines for Consultant Archaeologists*. It should also be noted that these specific areas have the highest degree of archaeological potential. It is recommended that any discussions between the proponent and Parks Canada for permission to conduct assessment and/or access the land for project purposes occur early to ensure that any specific Parks Canada requirements are met.

In addition to the above, the Stage 1 archaeological assessment determined that there are areas within the study area which retain low to no archaeological potential. In accordance with Section 1.3.2 and Section 7.7.4 of the MHSTCl's 2011 *Standards and Guidelines for Consultant Archaeologists*, **Stage 2** archaeological assessment is not required for portions of the study area which retain low to no archaeological potential.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* and may not be altered, or have artifacts removed from them, except by a person holding an archaeological license.

The MHSTCI is asked to accept this report into the Ontario Public Register of Archaeological Reports.



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Hiawatha First Nation:

Curve Lake First Nation:

Huron-Wendat Nation:



Project Context

1.0 PROJECT CONTEXT

1.1 DEVELOPMENT CONTEXT

Enbridge Gas Inc. ("Enbridge") is proposing to construct the Bobcaygeon Community Expansion Project ("the Project") to supply the community with affordable natural gas. The Project is located in the City of Kawartha Lakes and Township of Cavan-Monaghan and will consist of approximately 50 kilometers (km) of a combination 6-inch and 8-inch steel and plastic natural gas pipeline (Figure 1). Specifically, the Project is located within various lots in the geographical townships of Emily and Verulam, former Victoria County, geographical Township of Harvey, former Peterborough County, and the geographical townships of Manvers and Cavan, former Durham County (see Section 1.22 for specific lots and concessions). The Project is planned to be within the existing municipal Right-of-Way (RoW) with the potential for Temporary Working Space (TWS). The preliminary preferred route and potential alternative route are described below.

The proposed Project is divided into two components: the Supply Lateral, and the Reinforcement, each of which have two (2) routes being considered: one Preliminary Preferred Route (PPR) and one alternative route. For the Supply Lateral, both routes will start near Cowan's Drive and Peace Road and end near the intersection of Highway 36 and Duke Street, crossing the Little Bob and Big Bob Channel. An alternate route is being considered which has a minor deviation east along Traceys Hill Road, north on Eagle Road, east on St. Lukes Road and north on Cork Road to Pigeon Lake Road. For the Reinforcement, both route options require the reinforcement portion which starts near the intersection of Marina St. and Peace Road, travels east on Peace Road and south on Emily Park Road to Stewarts Line where it will end. An additional reinforcement pipeline is required on Highway 35 between Bethany Hills Road and Mt Horeb Rd, with an alternate route along Mt. Horeb Road and St. Marys Road, ending at Bethany Hills Road.

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1.1.1 Objectives

The objectives of the Stage 1 assessment were to compile available information about the known and potential archaeological resources within the study area and to provide specific direction for the protection, management and/or recovery of these resources. In compliance with the provincial standards and guidelines set out in the Ministry of Heritage, Sport, Tourism and Culture Industries' (MHSTCI) 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011), the objectives of the Stage 1 Archaeological Overview/Background Study are as follows:

 To provide information about the study area's geography, history, previous archaeological fieldwork, and current land conditions.



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- To evaluate the study area's archaeological potential which will support recommendations for Stage 2 survey for all or parts of the property.
- To recommend appropriate strategies for Stage 2 survey.

To meet these objectives, Stantec archaeologists employed the following research strategies:

- A review of relevant archaeological, historic, and environmental literature pertaining to the study area.
- A review of the land use history, including pertinent historic maps.
- An examination of the Ontario Archaeological Sites Database (ASDB) to determine the presence of known archaeological sites in and around the study area.
- A site visit to document existing ground conditions and confirm and presence or absence of features
 of archaeological potential.

Permission for Stantec staff to conduct archaeological field work was provided by Enbridge. The property inspections occurred in publicly accessible lands and no specific landowner permission to access was required.

1.2 HISTORICAL CONTEXT

1.2.1 Post-contact Indigenous Resources

"Contact" is typically used as a chronological benchmark when discussing Indigenous archaeology in Canada and describes the contact between Indigenous and European cultures. Contact in what is now the province of Ontario is broadly assigned to the 16th century (Loewen and Chapdelaine 2016).

During the early post-contact period the north shore of Lake Ontario was occupied by two distinct peoples with different cultural traditions: the Michi Saagiig Nishnaabeg (Mississauga Anishinaabeg) and the Huron-Wendat. It has long been the understanding of archaeologists that prior to the 16th century the north shore of Lake Ontario was occupied by Iroquoian-speaking populations (Birch and Williamson 2013; Birch 2015; Dermarker et al. 2016). Traditionally, the Huron-Wendat were farmers and fishermen-huntergatherers with a population of between 30,000 and 40,000 individuals. The Huron-Wendat traveled widely across a territory stretching from the Gaspé Peninsula in the Gulf of Saint Lawrence, along both sides of the Saint Lawrence River, and throughout the Great Lakes. The Huron-Wendat were, and continue to be, intimately linked to the Saint Lawrence River and its estuary, which is the main route of its activities and way of life. The Huron-Wendat formed alliances and traded goods with other Indigenous partners among the networks that stretched across the continent, and later incorporated the French into that trading network.

Recently, the direct correlation in Ontario between archaeology and ethnicity, and especially regional identity, has been questioned (cf. Fox 2015:23; Gaudreau and Lesage 2016:9-12; Ramsden 2016:124). Recent considerations of Indigenous sources on cultural history have led to the understanding that prior to the 16th century the north shore of Lake Ontario was co-habited by Iroquoian and more mobile Anishnaabeg populations (Kapyrka 2018), the latter of whom have not been represented in previous analyses of the archaeological record and most likely left a more ephemeral archaeological record than that of more densely populated agricultural settlements (cf. Appendix A). The apparent void of semi-permanent village settlement along the north shore of Lake Ontario continued through the first half of the 17th century; however, this does not preclude the occupation of the region by mobile Anishnaabeg



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peoples. Both Huron and Mississauga traditional history indicate that the Huron-Wendat and Mississauga cohabited the region (Kapyrka 2018).

The Mississauga traditional homeland stretched along the north shore of Lake Ontario and its tributary rivers from present-day Gananoque in the east to Long Point on Lake Erie in the west. In the winter the communities dispersed into smaller groups and travelled in-land to the north, to the area around present-day Bancroft and the Haliburton Highlands. Mississauga oral history relates that their ancestors occupied this part of southern Ontario from the time of the last deglaciation and continued to occupy it up to the start of the Contact period (Kapyrka 2018).

The Mississauga traditional territory was located between two powerful confederacies, the Three Fires Confederacy (consisting of the Odawa, Ojibwa and Pottawatomi) located to the north and west, and the Haudenosaunee (Five Nations Iroquois) Confederacy on the south shore of Lake Ontario in present-day New York State. In this geo-political context, the Mississauga acted as peacekeepers among the various Indigenous nations, acting as negotiators and emissaries (Kapyrka 2018).

By the turn of the 16th century, the region of the study area appears to have been abandoned of semi-permanent village settlement. In 1649, the Seneca, with the Mohawk, led a campaign to the north shore of Lake Ontario and dispersed the Huron-Wendat, Tionontate (Petun) and Attiwandaron (Neutral) Nations (Trigger 1978:354-356). At this time the semi-permanent settlements associated with the ancestral Huron-Wendat (the Huron) were abandoned and the Mississauga retreated from the area along the north shore of Lake Ontario into the hinterlands of their territory, waiting until the conflicts had ended and the political situation had stabilized before returning (Heidenreich 1990; Kapyrka 2018; Ramsden 1990).

After 1650 a series of villages affiliated with the Five Nations Iroquois were established along the north shore of Lake Ontario and through the Trent Valley. Four of those villages were located around the study area, including: the Cayuga villages of Quinte (Keint-he), located near the mouth of the Trent River at Trenton, Ganaraske, located at the mouth of the Ganaraska River at Port Hope, and Quintio, located on Rice Lake; and the Oneida village of Ganneious, located on the Bay of Quinte near the mouth of the Napanee River (Konrad 1981). Travel along the north shore of Lake Ontario and the connecting rivers occurred frequently.

In 1667, surviving Huron Wendat warriors joined alliance with the French-allied Ojibwa and Mississaugas to counterattack the Iroquois who had settled along the north shore of Lake Ontario. By 1690, Ojibwa (Anishinaabe) speaking people had begun moving south into the lower Great Lakes basin (Konrad 1981; Rogers 1978). Mississauga oral traditions, as told by Chief Robert Paudash and recorded in 1905, indicate that after the Mississauga defeat of the Mohawk Nation the Mohawk retreated to their homeland south of Lake Ontario and a peace treaty was negotiated between those groups around 1695 (Paudash 1905). Upon the Mississaugas' return they decided to settle permanently in southern Ontario and began to reestablish their role as peacekeepers in the region, extending that to include the incoming Euro-Canadian settlers (Curve Lake First Nation no date [n.d.]; Kapyrka 2018). The Huron-Wendat permanently left the region, moving to the east in Quebec and to the southwest in the present-day United States.



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Since contact with European explorers and immigrants, and, later, with the establishment of provincial and federal governments (the Crown), the lands within Ontario have been included in various treaties, land claims, and land cessions. Though not an exhaustive list, Morris (1943) provides a general outline of some of the treaties within the Province of Ontario from 1783 to 1923. Based on Morris (1943), the study area falls within the boundaries of the Crawford's Purchases, Williams Treaty, and Rice Lake Treaty.

The Crawford's Purchases treaty areas (indicated by B1 and B2 on Figure 2) include two separate treaties. The first, negotiated in 1783 contained land that ran "...from the mouth of the Gananoque River to the mouth of the Trent River was purchased from the Mississaug[a]... [and] includes the southern portions of the Counties of Hastings, Lennox and Addington, and Frontenac" (Morris 1943:16-17. A second treaty, from 1787, added land "...from the mouth of the Trent River to [the] Toronto Purchase and back from Lake Ontario to Lake Simcoe and Rice Lake was purchased from the Mississa[auga].[and] includes the County of Northumberland, excepting the northeast corner, Durham, the southern part of Ontario, and the east part of York" (Morris 1943:16-17). The 1787 treaty, sometimes known as the "Gunshot Treaty", was negotiated at Carrying Place.

The study area is also situated within lands governed by the 1818 Rice Lake Treaty (Treaty No. 20). The area of the Rice Lake Treaty, indicated by the letter Q on Figure 2, which allowed for the initial settlement of Peterborough County, begins

"...at the northwest angle of the Township of Rawdon; then north 16 degrees west, 33 miles or until it strikes the line forty-five; then along said line to a Bay at the northern entrance of Lake Simcoe; then southerly along the waters edge to the entrance of Talbot River; thence up Talbot River to the eastern boundary line of the Home District; thence along said boundary line south 16 degrees east to the south west angle of the Township of Darlington; then along the northern boundary line of the Township of Darlington, Clarke, Hope and Hamilton to Rice Lake; then along the southern shore of said lake and of the River Trent to the Western Division Line of the Midland District; then north 16 degrees west to the place of beginning."

(Morris 1943:24)

The study area also falls within the territory of the seven Anishnaabeg First Nations which are signatories to the Williams Treaties. These include the Mississaugas of Alderville First Nation, Curve Lake First Nation, Hiawatha First Nation, Scugog Island First Nation, the Chippewas of Beausoleil First Nation, Georgina Island First Nation, and the Rama First Nation (Williams Treaties First Nations 2017). The Williams Treaty (shown as AG on Figure 2) between the Crown and the Anishnaabeg First Nations in this area are part of "[t]hree separate and large parcels of land in southern and central Ontario...acquired by the Government of Canada in 1923" (Surtees 1986:1). This particular parcel includes parts of:

... the Counties of Northumberland, Durham, Ontario and York...[c]ommencing at the point where the easterly limit of that portion of the lands said to have been ceded...[as part of Treaty Number 13] intersects the northerly shore of Lake Ontario; thence northerly along the said easterly and northerly limits of the confirmed tract to the Holland River; thence northerly along the Holland River and along the westerly shore of Lake Simcoe and Kempenfeldt Bay to the narrows between Lake Couchiching and Lake Simcoe; thence south easterly along the shores of Lake Simcoe to the Talbot River; thence easterly along the Talbot River to the boundary



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between the Counties of Victoria and Ontario; thence southerly along that boundary to the north west angle of the Township of Darlington; thence along the northern boundary of the Township of Darlington, Clarke, Hope and Hamilton to Rice Lake; thence along the southern shore of said Lake to River Trent, and along the River Trent to Bay of Quinte; thence westerly and southerly along the shore of the Bay of Quinte to the road leading to Carrying Place and Wellers Bay; then westerly along the northern shore of Lake Ontario to the place of beginning.

(Morris 1943:62)

It is also worth noting that this area also "included substantial portions of land that had been the object of previous land cession treaties" (Surtees 1986:1).

1.2.2 Euro-Canadian Resources

In 1791, the Provinces of Upper Canada and Lower Canada were created from the former Province of Quebec by an act of British Parliament (Craig 1963:17). At this time, Colonel John Graves Simcoe was appointed as the Lieutenant Governor of Upper Canada and was tasked with governing the new province, directing its settlement and establishing a constitutional government modelled after that of Britain (Coyne 1895). The change was affected at the behest of United Empire Loyalists who wished to live under the British laws and customs they were familiar with in Great Britain and the former 13 Colonies (Craig 1963:10-11). John Graves Simcoe had ambitious plans to create a model British society in North America, stating a desire to "inculcate British customs, manners, and principles in the most trivial, as well as most serious matters" in Upper Canada (Craig 1963:21). At its inception, Upper Canada was only sparsely settled by Europeans and the land had not been officially surveyed to any great extent. Thus, there was an urgency to survey this new province in order to establish military roads and to prevent settlers from clearing and settling land not legally belonging to them. In 1792, Simcoe divided Upper Canada into 19 counties consisting of previously-settled lands, new lands opened for settlement, and lands not yet acquired by Crown. These new counties stretched from Essex in the west to Glengarry in the east.

1.2.2.1 Victoria County

Geographic Township of Verulam

Before the Township of Verulam was surveyed a trader by the name of Billy McDeough had set up on the present day site of Bobcaygeon to trade goods with the local Mississauga (Kirkconnell 1921). After lands in Verulam came to market in 1832, so much of it was acquired by land speculators that settlement within the township was hampered for several years, including limiting the construction of less than 20 miles of wagon roads by 1860 (Belden 1881). Early settlers along the north shore of Sturgeon Lake in Verulam included retired army and navy officers and other English gentry (Kirkconnell 1921). The overall only fair condition of the land in Verulam for agriculture has kept population and development low in the vicinity of the project, with the notable exception of the Town of Bobcaygeon.

In 1832 Thomas Need was granted 400 acres of land on and adjacent to Bobcaygeon Island (Kirkconnell 1921). Initially Need built a sawmill, and afterwards a grist mill and store (Kirkconnell 1921). A town site was initially laid out on the north bank of the Bobcaygeon River but Need had the island surveyed and



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laid out and the town developed both on and off of Bobcaygeon Island. In 1844 Need sold all of his interests to Mossum Boyd, and he left Bobcaygeon (Kirkconnell 1967).

The first canal and lock to allow navigation between Pigeon and Sturgeon Lakes was undertaken as early as 1834 but was not completed until 1840 (Kirkconnell 1967). The canal ran approximately a half mile (Belden 1881). The lock was rebuilt in 1857 and again in 1921. This lock and canal were incorporated into the Trent-Severn Canal system.

The original survey map of Verulam Township (Huston 1823) does not contain a great deal of detail beyond the surveyed lot and concession lines. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map. The river network is depicted, including a notation that the Pigeon River was navigable to Manvers, and marshland, indicated by stippling, is illustrated along surveyed lot and concession lines, including at the southeast corner of the township (Huston 1823). Kains' (1877) map of Victoria County indicates the names of landowners and the location of houses, orchards, public buildings and industrial buildings (Figure 3). Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts a developed township with established road and rail networks (Figure 4). A small number of landowners and buildings are illustrated on the atlas, some of them within the Project study area. Table 1 details the landowners and historical features for each lot and concession (Con.) within the Project study area from the 1877 and 1881 mapping.

Table 1: Property Owners and Historical Features Depicted on Historical Mapping of Verulam Township

			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
19		Whole lot	James McConnell	House and orchard	Whole lot	None given	None indicated
18		North ½ South ½	J.L. Read Bow Park	None indicated House	Whole lot	None given	None indicated
17		Whole lot	Town of Bobcaygeon	Town area, roads, church	Whole lot	Town of Bobcaygeon	Town area, roads
16		Whole lot	Town of Bobcaygeon	Town area, roads, dam	Whole lot	Town of Bobcaygeon	Town area, roads
15	10	Whole lot	Town of Bobcaygeon	Town area, roads, schoolhouse	Whole lot	Town of Bobcaygeon	Town area, roads
14		Whole lot	M. Boyd	None indicated	Whole lot	None indicated	None indicated
13		Whole lot	C. Fairbairn	House and orchard	Whole lot	Chas. Fairbairn	House
12		Whole lot	C.E. Bonnell, MD	House	Whole lot	None given	None indicated
11		Whole lot	C. Dunsford	None indicated	Whole lot	None given	None indicated
10		West ½ East ½	S.P. Dunn M. McConnell	None indicated None indicated	Whole lot	Hy. Dunn	House



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
9		Whole lot	W. Argue	House and orchard	Whole lot	None given	None indicated
8		Whole lot	W. Morrow	None indicated	Whole lot	None given	None indicated
7		North 1/2 SW quarter SE quarter	?. ScottA. DunbarD. Hunter Sr.	None indicated None indicated None indicated	Whole lot	None given	None indicated
6		West ½ East ½	A. Dunbar D. Hunter Sr.	House and orchard None indicated	Whole lot	None given	None indicated
5		West ½ East ½	W. White M. Boyd	None indicated Road (present day Old Survey Line Road)	Whole lot	Jos. White	Road (present day Old Survey Line Road)
4		North ½ South ½	W.S. Hunter D. Hunter	Road (present day Old Survey Line Road) House and orchard; road (present day Old Survey Line Road)	Whole lot	None given	Road (present day Old Survey Line Road)
3		North ½ South ½	Mrs. P. Harkness J.C. Robinson	House; road (no longer extant) House; road (no longer extant)	Whole lot	None given	Road (no longer extant)
2		Whole lot	N. Nichols	House; road (no longer extant)	Whole lot	None given	Road (no longer extant)
1		Whole lot	H. Gillice	House; schoolhouse Number 5	Whole lot	None given	Schoolhouse
19		North ½ South ½	W. Kelso A. Kelso	None indicated None indictaed	Whole lot	None given	None indicated
18		North ½ South ½	A. Kelso J. Kelso Jr.	None indicated House and orchard	Whole lot	None given	None indicated
17		West ½ East ½	J. Kelso Sr. J. Kelso Jr.	Town area, roads, telegraph line	East ½ West ½	J. Kelso Sr. None indicated	House None indicated
16	9	West ½ East ½	J. Kelso Sr. Town of Bobcaygeon	Town area, roads	Whole lot	Town of Bobcaygeon	Town area, roads
15		West ½ East ½	J. Kelso Sr. M. Boyd	Town area, roads, schoolhouse Grist and saw mills	Whole lot	None given	None indicated
14		South part	H.T. Wickham	None indicated	Whole lot	None given	None indicated



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			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
13		West ½ East ½	G. Dunsford H. Rapley	None indicated House, orchard	Whole lot	None given	None indicated
12		West ½ East ½	C. Thurston M. Boyd	House None indicated	Whole lot	None given	None indicated
11		West ½ East ½	None indicated T. Argue	School house House	Whole lot	None given	School house
10		West ½ East ½	W. Thurston Mrs. Taylor	House, orchard House, orchard	Whole lot	Wm. Thurston	House
9		West ½ East ½	Geo. H. Dunn J. Stacey	None indicated House, orchard	Whole lot	None given	None indicated
8		West ½ East ½	J. Middleton Geo. H. Dunn	None indicated None indicated	Whole lot	Wm. McGregor	House
7		West ½ Central part East ½	J. Middleton M. Boyd J. Simpson	None indicated None indicated None indicated	Whole lot	None given	None indicated
6		Whole lot	J. Simpson	None indicated	Whole lot	None given	None indicated
5		Whole lot	J. Davidson	House and orchard	Whole lot	None given	None indicated
4		Whole lot	Jos. Davidson	House	Whole lot	None given	None indicated
3		North ½ South ½	T. Corbel R. White	House and orchard House	North half South half	T. Corbel R. White	House House
2		Whole lot	G. Simpson	House and orchard	Whole lot	Geo. Simpson	House
1		West half East half	G. Hunter J. Quigley	House House	Whole lot	Geo. White	House
17		NW 1/4 SW 1/4 East 1/2	Jas. Martin Wm. Martin J. Patterson	House, orchard House, orchard House, orchard	Whole lot	None given	None indicated
16	8	North ½ South ½	Jos. Finlay Wm. Finlay	None indicated None indicated	Whole lot	None given	None indicated
15		Whole lot	None indicated	None indicated	Whole lot	None given	None indicated

Geographic Township of Emily

Emily Township was named after Emily Charlotte, daughter of Lord George Lennox and sister of the Governor General of Canada. The township was opened for settlement in 1821, though Maurice Cottingham and others visited the township in 1820 to clear brush. In 1821, Cottingham returned and built a log cabin on his property near where the village of Omemee would eventually be located. That same



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year a group of 400 Protestant Irish arrived and settled in the southern half of the township. In 1825, Cottingham erected a mill beside Pigeon Creek. That same year saw the arrival of roughly 700 Catholic Irish settlers, who settled in the north half of the township (Kirkconnell 1921).

The village of Omemee originated as a mill built by William Cottingham in 1821. The importance of the mill increased with the influx of settlers in 1825. A store was built in 1826 and a post office and school in 1835. The village was originally known as Williamstown, then changed to Metcalfe in the 1840's, and Omemee in the 1850's. The Port Hope, Lindsay, and Beaverton Railway was built through the township in 1857. The station was built at a distance from the village, although in time the village grew to surround the station. Omemee was incorporated as a village in 1874. Omemee reached a peak population of 835 in 1878. By 1920, the population had decreased to 467 (Kirkconnell 1921).

The available 1819 Survey Map of Emily Township (Wilmot 1819) does not depict any landowners. The river network is illustrated and marshland, indicated by stippling, is also illustrated along surveyed lot and concession lines. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map. Kains' (1877) map of Victoria County indicates the names of landowners and the location of houses, orchards, public buildings and industrial buildings (Figure 5). Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts a developed township with established road and rail networks (Figure 6). A small number of landowners and buildings are illustrated on the atlas; however, none of them are within the Project study area. Table 2 details the landowners and historical features for each lot and concession within the Project study area from the 1877 and 1881 mapping.

Table 2: Property Owners and Historical Features Depicted on Historical Mapping of Emily Township

	Con.		1877			1881	
Lot		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
20		West ½ East ½	Mar Devin Jos. Hunter	None given house	Whole lot	None given	None indicated
21	14	Whole lot	M. O'Neil	Portion of present- day Pigeon Lake Road	Whole lot	None given	None indicated
22		Northeast ¼ South and east ¾	H. McLaughlin None indicated	House and orchard None indicated	Whole lot	None given	None indicated
23		West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
23		West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
22		Whole lot	T. Collin	House	Whole lot	None given	None indicated
21	13	North ½ South ½	A. Brennan M. Devin	House House and orchard	Whole lot	None given	None indicated
20		North ½ Southwest ¼ Southeast ¼	T. Brennan Mrs. Donovan J. King	House None indicated None indicated	Whole lot	None given	None indicated



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
23		West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
22		Water lot	n/a	n/a	Water lot	n/a	n/a
21		North ½ South ½	John Sullivan R. Owens	West pier of "Floating Bridge" None indicated	Whole lot	None given	None indicated
20		North ½ South ½	Wm. Herlihey R. Perdue	None indicated House	Whole lot	None given	None indicated
19	12	Northeast ¼ Southeast ¼ West ½	J. Owens D. Owens Jas. Toomy	None indicated House and orchard House	Whole lot	None given	None indicated
18		North ½ South ½	Wm. Herlilhey Al Hodge	None indicated None indicated	Whole lot	None given	None indicated
17		NW ¼ NE ¼ South ½	Thos. Dwyer H. Fitzgerald F. Duffy	None indicated None indicated None indicated	Whole lot	None given	None indicated
22		West part	None indicated	Mostly swamp	Whole lot	None given	None indicated
21		East part	None indicated	Mostly swamp	Whole lot	None given	None indicated
20		North ½ South ½	H. Fitzgerald Swamp	House None indicated	Whole lot	None given	None indicated
19		East ½ Northwest ¼ Southwest ¼	T. Crowley Mar. Devin J. Guiry	House and orchard None indicated None indicated	Whole lot	None given	None indicated
18		North ¼ Central ¼ South ½	John Lee Wm. Lundy Wm. Hennessey	House and orchard None indicated House	Whole lot	None given	None indicated
17	11	North ½ South ½	Garrett Guiry Pat Guiry	None Indicated House	Whole lot	None given	None indicated
16		North ¼ Central ¼ South ½	T. Crimmon Thos. Garvey Garrett Guiry	None Indicated None Indicated None Indicated	Whole lot	None given	None indicated
15		South and east ¾ Northwest ¼	J. Guiry Mrs. Scully	Schoolhouse No. 6 None indicated	Whole lot	None given	School house Number 6
14		North ¼ Central ¼ South ½	M. Dorgan Tim Dorgan Mrs. Scully	House and orchard None indicated House	Whole lot	None given	None indicated
13		North ¾ South ¼	M. O'Neil John Hobem	House and orchard House	Whole lot	None given	None indicated



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
12		North ½ South ½	M. O'Neil M. Finn	None indicated House	Whole lot	None given	None indicated
11		West 1/3 East 2/3	Mrs. C Melaney Canada Land Co.	None indicated None indicated	Whole lot	None given	None indicated
20		Whole lot	None indicated	Mostly swamp	Whole lot	None given	Mostly swamp
19		Whole lot	Mrs. C. Melaney	Mostly swamp	Whole lot	None given	Mostly swamp
18		North ½ South ½	Neil Hennessy Tim Morsissey	House, orchard None indicated	Whole lot	None given	None indicated
17		North ½ South ½	Pat Guiry Tim Morrissey	Orchard House and orchard	Whole lot	None given	None indicated
16		North ½ Southeast ¼ Southwest ¼	J, Guiry Den. Begley Dan Begley	House House House	Whole lot	None given	None indicated
15	10	North ½ South ½	Garrett Guiry T. Flinn	None indicated House and orchard	Whole lot	None given	None indicated
14		East ½ Northwest ¼ Southwest ¼	Ed. Morrissey T. Flinn D. Fitzpatrick	None indicated None indicated None indicated	Whole lot	None given	None indicated
13		All but SW corner	J. Callaghan None indicated	Orchard House in SW lot	Whole lot	None given	None indicated
12		North ½ South ½	O. O'Brien Mrs. Hennessy	None indicated House	Whole lot	None given	None indicated
11		North ½ South ½	O. O'Brien J. Owens	None indicated House and orchard	Whole lot	None given	None indicated
19		Whole lot	None indicated	Mostly swamp	Whole lot	None given	Mostly swamp
18		Whole lot	Rev. J. Vicars	Mostly swamp	Whole lot	None given	None indicated
17		Whole lot	Rev. J. Vicars	None indicated	Whole lot	None given	None indicated
16		East ½ West ½	H. O'Leary Jer. Shea	None indicated House	Whole lot	None given	None indicated
15	9	North ½ South ½	Ed. Herlihey J. Brown	House and orchard House	Whole lot	None given	None indicated
14		North ½ South ½	Ed. Morrissey M. Fitzpatrick	House and orchard House	Whole lot	None given	None indicated
13		North ½ South ½	D. Callaghan Ed. Morrissey	House None indicated	Whole lot	None given	None indicated
12		North ½ South ½	O. O'Brien Den. Clancy	House None indicated	Whole lot	None given	None indicated



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
11		West ½ East ½	Pat Clancy Den. Clancy	House and orchard House	Whole lot	None given	None indicated
17		Whole lot	M. Lows	Mostly swamp	Whole lot	None given	Mostly swamp
16		Whole lot	H. O'Leary	Mostly swamp	Whole lot	None given	None indicated
15		North ½ South ½	P. Duffy None Indicated	House Mostly swamp	Whole lot	None given	None indicated
14	8	Northeast ¼ Southeast ¼ West ½	Alb. Coles T. Matchet Wm. Spencer Jr.	House House None indicated	Whole lot	None given	None indicated
13		East ¾ West ¼	Wm. and J. O'Brien H. Meadows	House None indicated	Whole lot	None given	None indicated
12		North ½ South ½	D. Fitzpatrick H. Meadows	House None Indicated	Whole lot	None given	None indicated
11		West ½ East ½	M. Carroll J. Birney	None Indicated None Indicated	Whole lot	None given	None indicated
14		North ½ Southwest ¼ Southeast ¼	T. Matchet Jos. Smith J. Kirkpatrick	None indicated House House	Whole lot	None given	None indicated
13		North ½ Southwest ¼ Southeast ¼	Wm. Matchell T.W. Blackwell Thos. Fee	None Indicated None Indicated None Indicated	Whole lot	None given	None indicated
12	7	Northwest ¼ Southwest ¼ East ½	Mrs. Venatte Gus Wood H. Meadows	Part of present day Centreline Road House; part of present day Centreline Road Part of present day Centreline Road	Whole lot	None given	None indicated
11		North ½ South ½	F. McMahon J. Atwell	None indicated House and orchard; art of present day Peace Road	Whole lot	None given	None indicated
10		North and west ¾ Southeast ¼	J. Bailey A. Brownson	Part of present day Peace Road Part of present day Peace Road	Whole lot	None given	None indicated
9		North ½ South ½	Wm. Miller A.D. Spence	House House and orchard	Whole lot	None given	None indicated



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
14		West ½ NE 2/3 SE 1/3	J. Lowes M. Lowes S. Lowes	House, orchard House None indicated	Whole lot	None given	None indicated
13		North ½ South ½	W.H. Mitchel S. Stinson	House House	Whole lot	None given	None indicated
12	6	Northwest ¼ Northeast ¼ South ½	() McQuade T. Fee A. Wilson	Road from Cowan's Bridge Road bisects lot House and orchard; road from Cowan's Bridge	Whole lot	None given	Cowans Bridge
11		Whole lot	A. Wilson	None indicated	Whole lot	None given	None indicated
10		Whole lot	Pt. Collingham Est.	None Indicated	Whole lot	None given	None indicated
9		North ½ South ½	J. Bailey () ()uade	House None identifiable	Whole lot	None given	None indicated
14		West ½ Northeast ¼ Southeast ¼	T. Germaine S, Lowes Mary Hamilton	House House and orchard House and orchard	Whole lot	None given	None indicated
13	5	North ½ South ½	J. Foxe J.J. Blackwell	House and orchard House and orchard	Whole lot	None given	None indicated
12		Whole lot	Thos. Fee	House and orchard	Whole lot	None given	None indicated
11		Whole lot	Ar. McQuade M.P.	None indicated	Whole lot	None given	None indicated
14		North ½ South ½	Mary Hamilton T. Mitchell	None indicated House and orchard ("Cedardale")	Whole lot	None given	None indicated
13		Northwest ¼ Southwest ¼ East ½	Z. Mitchel R. Henderson J. Mitchel	None indicated House and orchard House and orchard	Whole lot	None given	None indicated
12	4	North ¼ Central ¼ South ½	T.W. Blackwell A. McQuade W. Trotter	School house No.8 None indicated House, orchard, cemetery, telegraph line	Whole lot	None given	School house Number 8; cemetery
11		Northwest ¼ Northeast ¼ South ½	Ar, McQuade M.P. None indicated None indicated	House and orchard House House, two orchards	Whole lot	None given	None indicated
14	3	North ½ South ½	Hum. Jones Chas. Mills	House and orchard House and orchard	Whole lot	None given	None indicated



			1877			1881	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
13		Northwest ¼ East ¼ Southwest ¼ East ¾	T. Mitchel H. Sheridan I. Mitchel Rob. McConnel	None indicated None indicated None indicated House and orchard	Whole lot	None given	None indicated
12		North ¼ Central ¼ South ½	Rob. Henderson W. Troller Wm. Morton	House and orchard House and orchard House and orchard	Whole lot	None given	None indicated
11		Northwest ¼ NW Corner Southeast ¼ South ½	T. Stevenson W.C. M. McElwain Is. Thornton	House and orchard House House House	Whole lot	None given	None indicated
14		North ½ Southwest ¼ Southeast ¼	H. Mitchel Jas. Fee W. Best J.P.	House and orchard None indicated None indicated	Whole lot	None given	None indicated
13		North ½ South ½	H. Mitchel Jas. Fee	House House and two orchards	Whole lot	None given	None indicated
12	2	North ¼ North central ¼ South central ¼ South ¼	J. Lawrence H. Col() Geo. Ellson Jas. Fee	House Orchard House Orchard	Whole lot	None given	None indicated
11		North ½ South ½	J. Widdis Ed. Sheridan	House and orchard House	Whole lot	None given	None indicated
14		North ½ South ½	W. Best J.P. J. Best	House and orchard House and orchard	Whole lot	Valentine Best	House and orchard
13		North ½ South ½	J. H. Best Ham. T. Best	House and orchard None indicated	Whole lot	None given	None indicated
12	1	Northeast ¼ Southeast ¼ Northwest 1/3 West central South portion	S. Jamieson Ham. T. Best S. Jamieson ()est, J.P. C.P.C.	Orchard; church and cemetery House and orchard School house # 9 None Indicated None Indicated	Whole lot	None given	School house Number 9; cemetery
11		North ½ South ½	C. Fee W. Best J.P.	House House and orchard	Whole lot	Samuel H. Best	House



Project Context

Geographic Township of Ops

Ops Township was surveyed by Colonel Duncan McDonnell in 1825. During that survey, Lots 20 and 21 of Concession 5 were reserved as a town site. This site would eventually become the Town of Lindsay. The first settler in the area was Patrick Connell, who settled on Lot 7, Concession 4. The founders of Lindsay were William Purdy and his two sons Jesse and Hazard. In 1827, the Purdy's were hired by the government to build a dam on the Scugog River at the Lindsay town site and build a sawmill and grist mill on parts of Lots 20 and 21, Concession 6 (Kirkconnell 1921).

In 1834, John Huston came to Lots 20 and 21, Concession 5 with a small party in order to lay out the town site into streets and lots. One of Huston's men, Lindsay, was accidentally killed during the survey and the town was named after him on the plan (Kirkconnell 1921). Settlement of the town was slow but steady and Lindsay had a population of 300 in 1851. Settlement and business increased with the presence of the railway and the use of steamboats along the Scugog River. Lindsay was incorporated as a town in 1857 (Kirkconnell 1921). The Town of Lindsay saw an increase in growth with the addition of a number of commercial and industrial businesses, such as lumber, brick-making, iron-working, several manufacturers and numerous stores. By 1921, Lindsay had a population of 8,025 (Kirkconnell 1921). In 2001, the Town of Lindsay was merged with Victoria County to form the City of Kawartha Lakes.

The Survey Map of Ops Township (McDonell 1825) has been updated with the names of initial settlers on the individual lots; though much of it is illegible the name of Peter Shannon is identifiable in Lot 1 in Concession 4 and Concession 5. There is no indication of Indigenous settlements or early unauthorized settlers on the survey map or in the survey notes (McDonell 1825). The available Kains' (1877) map of Victoria County has a large gap along the south edge of Ops township and information for that part of the Project study area is missing. Belden's 1881 *Victoria Supplement in Illustrated Atlas of the Dominion of Canada* depicts the established road and rail networks and settlements and post offices (Figure 7). A small number of landowners and buildings are illustrated on the atlas, including one within the Project study area. William Reynolds is shown as the owner of Lot 1, Concession 7, with a residence in the southeast corner of the lot, east of the Project study area (Figure 7). A schoolhouse and the Mount Horeb post office are also indicate along the concession line between Concession 7 and Concession 8. Another church is shown in the southeast corner of Lot 2 Concession 7 (Figure 7).

1.2.2.2 Peterborough County

The administrative history of Peterborough County began in 1798 when the Newcastle District was established as one of the original districts of Upper Canada. In 1841 the district was reorganized and the Colborne District was established. Less than ten years later the Colborne District was reorganized again, creating the United Counties of Peterborough and Victoria. In 1861, the united counties were separated into individual counties (Cole 1975: 2).

Geographic Township of Harvey

Initial Euro-Canadian settlement in Harvey Township began around 1832, when some recent emigrants set up near the shore of Pigeon Lake in the southwest corner of the township, and near Sandy Lake, at the north end (Poole 1867:191). However, due to a variety of reasons, including poor soil, lack of general



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framing knowledge, bad (or nonexistent) roads and distances to a market, the small settlement had been abandoned (Poole 1867:191). After that there were few new settlers in the township, and up until 1866 Harvey Township, lacking sufficient numbers of settlers to warrant its own municipal governance, was associated with Smith Township (Poole 1867: 192).

Harvey was originally surveyed in the 1820s (Mulvany 1884:448). However, a re-survey of Harvey Township was undertaken by Theodore Clementi in 1965 (Clementi 1865; Poole 1867:192). The 1865 survey map of Harvey Township depicts the lot layout and size, waterways and the names of settlers at that time (Figure 8). At that time there were very few settlers noted, most of them being located along the township boundary (Bobcaygeon Road) with Verulam north of Bobcaygeon, at the north end of Pigeon Lake around Nogies Creek and along the north shore of Buckhorn Lake (Clementi 1865). Two settlers and their houses are identified in lots within the Project Study area, located just north of present day Bobcaygeon: J. Stewart in Lot 17, Concession 19, and G. Harkness in Lot 18, Concession 19 (Clementi 1865). Concession 19 was identified as being "tolerably well settled" at that time, and this part of the township regarded as having good soils, compared to other parts of the township (Mulvany 1884:449).

Although not part of Victoria County, the Kains (1877) map does show some details of the Harvey Township lots on the west side of Pigeon Lake (Figure 3). Mossum Boyd's mill and lumber yard is shown on the far eastern end of the island part of Bobcaygeon. Directly across from Lot 13, Concession 10 of Verulam, in what would be Lot 12, Concession 19 of Harvey Township is a substantial looking structure owned by H. Oliver, marked as "Mere House", indicating that just the house is being shown and it is likely that there were additional outbuildings and other structures associated with the lot.

The Miles & Co. (1879) *County of Peterborough* atlas offers very few details about the study area. No landowners are identified on the map (Figure 9). The only structures illustrated are churches and schools and the location of the Lakehurst and Hall's Bridge (now Buckhorn) post offices, none of which are within the Project study area (Figure 9). The presence of these structures does indicate that there was a fairly wide settlement of the township, irrespective of the lack of landowner names. The only other major feature shown is the Buckhorn Road, running north to south through the whole township

1.2.2.3 Durham County

By 1798, population levels in Upper Canada had increased to a point where it was desirable to create smaller administrative regions and thus, the counties of Northumberland and Durham were partitioned from the Home District and joined as the Newcastle District (Armstrong 2004). In 1837 the northern part of Newcastle District was used to form the Colbourne District (later Peterborough County).

In 1850, the Newcastle District was dissolved, and the constituent counties joined as the United Counties of Northumberland and Durham (Armstrong 2004). This larger county was subsequently dissolved in 1974 when half of the original Durham County was merged with the former Ontario County to establish the Regional Municipality of Durham. The Township of Hamilton was retained by Northumberland County during this municipal re-alignment and is bounded on the north by Rice Lake; on the west by the Township of Hope (in the County of Durham, now Regional Municipality of Durham); on the south by Lake Ontario; and on the east by the Township of Haldimand.



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Geographic Township of Cavan

Cavan Township was first settled in 1816-1817 by United Empire Loyalists, most of the early settlers being Irish and they named the township after a county in northern Ireland of the same name (Dodds 1880:139; Belden 1878:vii). The population in 1820 was registered as 244, although there were only 24 ratepayers (Dodd 1880:139). However, owing to the generally excellent nature of the soil for farming purposes the population of the township grew quickly, and by 1840 the township had a population of 2,868 (Dodd 1880:139). In 1861 the population was registered as 4,901, a little under half of whom were immigrants from the British Isles, the remainder being born in Canada (Belden 1878:vii). The major town of Cavan was Millbrook, which was situated on the Midland railroad line, which allowed for the town to be a regional centre for shipping of grain and other produce (Dodds 1880:139).

The survey map of Cavan Township (Wilmot n.d.) depicts the lot layout, waterways, and marshland, indicated by stippling. The map has been updated with the names of initial settlers on the individual lots; though much of it is illegible, the family name of Hodgson is identifiable in Lot 13 Concession 14. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map (Wilmot n.d).

The *Tremaine's Map of the County of Durham, Upper Canada* (Tremaine 1861) includes the names of landholders, the location of public buildings such as churches and schools, existing roads, railway lines and town plots, locations of industrial operations such as mills, blacksmiths etc. and waterways (Figure 10). The map also includes the location of several private residences, although not all properties are shown with a residence. It is likely that most of the properties were in fact occupied and that residences were shown for those who had subscribed to receive a copy of the map. Within the Project study area the Tremaine map shoes the location of the Town of Mount Pleasant and some private residences (Tremaine 1861). A sawmill is also indicated on the property of Joseph Shield in Lot 12, Concession 14, along Jackson Creek (Figure 10).

The Belden & Co. (1878) *Illustrated Historical Atlas of the Counties of Northumberland and Durham* depicts Cavan Township as extensively settled, with residences shown on most lots within the Project study area (Figure 11). Landowners and structures are depicted on most lots (Figure 13). In addition, the sawmill in Lot 12, Concession 14 is still present (Figure 11). Table 3 details the lot landowners within the study area.

Table 3: Property Owners and Historical Features Depicted on Historical Mapping of Cavan Township

	Con.	1861			1879			
Lot		Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features	
11	14	West ½ East ½	Foster Shield Francis Gardner	House House	West ½ East ½	Foster Shield Francis Gardner	Two houses House	



			1861			1879	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
		West ½	Joseph Shield	House; sawmill; Bland Line	West ½	Joseph Shield	House; sawmill; Bland Line
12		East ½	Geo. Jamison	Mount Pleasant town plot; Bland Line	East ½	Geo. Jamison	House; Mount Pleasant town plot; Bland Line
13		West ½ East ½	Geo. Jamison Jon. Hodgson	Mount Pleasant town plot None indicated	West ½ East ½	Geo. Jamison Mrs. Ann Hodgson	House, Mount Pleasant town plot Two houses
		West ½	Jon. Hodgson	None indicated	West ½	Mrs. Ann	None indicated
14		Northeast ¼ Southeast ¼	Wm. Finley Mrs. McCall	None indicated None indicated	Northeast ¼ Southeast ¼	Hodgson S. McCormick Mary McCall	House None indicated
11		North ½ South ½	Abr. Best Robert Thaxton J.P.	None indicated House ("Levin's Hall")	North ¼ South ¾	Jos. Bland Robert Thaxton J.P.	House and sawmill House
12		South and east 3/4	Abr. Webster	House; Mount Pleasant town plot; Mill Street	South and east 3/4	Abr. Webster	House; Mount Pleasant town plot; Mill Street
	13	Northwest 1/4	Abr. Best	House	Northwest 1/4	Jno. Best	House
13		Whole lot	Workman Estate	Mount Pleasant town plot	West ½ East ½	H. Ewing Geo. Seney	House; Mount Pleasant town plot house
14		North ½ South ½	George Caine Workman Estate	None indicated None indicated	North ½ South ½ SE Corner	Wm. Whitfield A. Best N.R.	House None indicated None indicated
11		North ½ Southwest ¼	John Thaxton Non-resident	None indicated None indicated	North ½ Southwest ¼ Southeast ¼	Jno. Thaxton Alex Baptiste T. Jackson	None indicated None indicated None indicated
		Southeast 1/4	C. Lowes	None indicated	SW Corner	F. Elliott	None indicated
12	12	Whole lot	John McPherson	None indicated	Whole lot	Jno. McPherson	House
40		North ½	John W. Lowes	None indicated	North ½	Matt Lowes	House
13		South ½	Robert Mills	House (later notation of "Low Grove Hall")	South ½	Robert Mills	Three houses/ structures



Project Context

			1861			1879	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
14		Northwest ¼ Southwest ¼ East ½	Non-resident Robert Mills William Young	None indicated None indicated None indicated	West ½ East ½	Robert Mills Wm. Young	None indicated House
11		Whole lot	John Vance	House	Whole lot	Rob. Vance Jr.	Two houses
12		West ½ East ½	Caleb Lows George Ferguson	None indicated Churchville area in SE corner	West ½ East ½	T. Jackson S. Ferguson	House House
13	11	West ½ East ½	John W. Lowes Joseph Thompson	Churchville in SW corner None indicated	West ½ East ½	Matt Lowes Samuel Staples	House, Ida and Ida Post Office None Indicated
14		West ½ East ½	John Grandy None indicated	None indicated None indicated	Whole lot	Samuel Staples	Three houses/ structures

Geographic Township of Manvers

Manvers Township, being a back township in Durham, was not surveyed until 1816-1817 (Aitken 1989; Dodds 1880). Settlement in Manvers was slow, and by 1835 there was a population of only 154 (Dodds 1880). Over the next five years the population increased to 548, and by 1855 had reached 2,568 (Dodds 1880). Part of the reason for the slow growth was the only fair quality of much of the land for agricultural purposes (Belden 17878:vii). However, there were excellent stands of hardwood and pine forests throughout the township that resulted in much timbering and the development of several sawmills (Belden 1878:vii; Dodds 1880: 166).

The survey map of Manvers Township (Wilmot 1816) depicts the lot layout, waterways, and marshland, indicated by stippling. No landowners are listed on the survey map. There is no indication of Indigenous settlements or early unauthorized European settlers on the survey map (Wilmot 1816).

The *Tremaine's Map of the County of Durham, Upper Canada* (Tremaine 1861) includes the names of landholders, the location of public buildings such as churches and schools, existing roads, railway lines and town plots, locations of industrial operations such as mills, blacksmiths etc. and waterways (Figure 12). The map also includes the location of several private residences, although not all properties are shown with a residence. It is likely that most of the properties were in fact occupied and that residences were shown for those who had subscribed to receive a copy of the map. Within the Project study area the Tremaine map shows the location of School house # 6 in Lot 17, Concession 12, School house #10 in Lot 13, Concession 14, and a Wesleyan Methodist Church in Lot 11, Concession 14 (Tremaine 1861) (Figure 12). Few private residences are shown in any of the lots with the Project study area.

The Belden & Co. (1878) *Illustrated Historical Atlas of the Counties of Northumberland and Durham* depicts Manvers Township as extensively settled, with residences shown on most lots within the Project study area (Figure 13). Landowners and structures are depicted on most lots (Figure 13). In addition to



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the previously documented church in Lot 11, Concession 14 there is also a new school house in that lot, likely replacing the one that had been previously located in Lot 13, Concession 14 (Figure 13). Two new churches are shown in Lots 16 and 17, Concession 12, on either side of St. Marys Road and School house # 6, and two other new churches are located along Concession 10, in Lots 13 and 15 (Figure 13). There is also an Orange Hall located in Lot 18, Concession 10 (Figure 13). Additionally, there are dashed lines that appear to indicate the extent of low and wet ground throughout the township. Table 4 details the lot landowners within the study area.

Table 4: Property Owners and Historical Features Depicted on Historical Mapping of Manvers Township

		1861			1879		
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
9		Whole lot	William Stinson	House	Whole lot	Wm. Stinson	House
10		Whole lot	Robert Magill	None indicated	Whole lot	Jno. McGill	House
11		West ½ East ½	Henry Hunt Josiah Mulligan	Wesleyan Methodist Church None indicated	West ½ East ½	Jas. Jones H. Mulligan	Two houses and a church House and schoolhouse
12		Whole lot	Josiah Mulligan	None indicated	Whole lot	H, Mulligan	None Indicated
13	14	West ½ Northeast ¼ Southeast ¼	John Porter John Ellis Jas. Shea	None indicated None indicated School house No. 10	North and west 3/4 Southeast 1/4	Jno. Porter Jas. Shea	House House
14		North 1/4 West 1/3 East 2/3	Jno. Beamish John Shea Wm. Reihell	None indicated None indicated None indicated	North ¼ West 1/3 East 2/3	Wm. Skuce Jas. Shea Wm. Ingram	House House
15		North ½ South ½	Isaac () John Hickson	None in remaining map House	North ½ South ½	Thos. Howe Jno. Hickson	House House
16		Whole lot	James Willson	None indicated	Whole lot	Williams Estate	House
17		West ½ East ½	Wm. H. Pallard James Pallard	None indicated None indicated	West ½ East ½	Jno. Beamish Wm. Griffin	House House
18		Whole lot	John Belch	None indicated	Whole lot	Mary J. Belch	Two house
9	13	North ½ South ½	J. Montgomery C. Johnstone	None indicated None indicated	North ½ SW ¼ SE ¼	J. Montgomery C. Johnstone Wm. Johnston	House House House



			1861				
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
10		North ¼ Central ¼ Southwest 1/8	Geo. Windrum Rich. Windrum G. McLean	None indicated None indicated None indicated	North and east ³ / ₄ Southwest 1/8	Samuel Stinson G. McLean	None indicated House
		South central 1/8 Southeast 1/4	Thos. How (sic) J. Anderson	None indicated None indicated	South central 1/8	T. Howe	None indicated
11		North ½ South ½	Thos. Magill Wm. Magill	None indicated None indicated	North ½ South ½	Jno. Magill Wm. Magill	Two houses House
12		West ½ East ½	Rob.Thompson Thos. Leadlaw	None indicated None indicated	West ½ East ½	Wm. Stinson T. Laidley	House House
13		North and east 3/4 Southwest 1/4	William Armstrong () Meredith	None indicated None indicated	North and east ³ / ₄ Southwest ¹ / ₄	Wm. Armstrong T. Laidley	Three houses
15		Whole lot	Illegible	None identifiable	North ½ NW corner South ½	Thos. McGee L.M. Jos. Staples	House None indicated None indicated
16		West ½ East ½	Thos. Staples Francis Beamish	None indicated None indicated	West ½ East ½	Williams Estate Jno. Hart	Two houses House
17		Whole lot	Hermon Hari	None indicated	Whole lot	Herman Hart	Four houses
18		West ½ East ½	Thomas Woods John Hart	None indicated None indicated	West ½ East ½	Thos. Woods J.S. Davidson	House House
10		Whole lot	William Campbell	None indicated	Whole lot	Jas. Campbell	House
11		North and east ¾ SW¼	Samuel Jacks H.H. Meredith	None indicated None indicated	North and east ¾ SW¼	Jno. D. Armstrong H.H. Meredith	House
12		Whole lot	J. Haslip	None indicated	North ½ South ½	Wm. Magill Mary Heaslip	None Indicated None indicated House
13	12	Whole lot	Thomas Coulter	None indicated	West ½ East ½	Wm. Coulter Hugh Coulter	House None indicated
15		North ½ South ½	John Wallace Wm. Robinson	None indicated None indicated	North ½ South ½	Jno. McGill Rich. Arnott	House House
16		Whole lot	Joseph Lee	None indicated	North ½ South ½	Jos. Lee Estate Wm. Grandy	Two houses House and church
17		Whole lot	Thomas Staples	School house No.6	Whole lot	T.E. Staples Estate	School house and church
18		Whole lot	Thomas Shea	Two houses	Whole lot	Thomas Shea	House



		1861				1879	
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
10		North ½ Southeast part	Jas. Maguire Wm. Colvin	None indicated None indicated	North and west 3/4	None indicated	None indicated
10		Southwest part	Sqr. Williams	None indicated	Southeast 1/4	J. McCausland	House
11		Whole lot	Isaac Eyres	None indicate	Whole lot	William Mitchell	House
12		West ½ East ½	John Sutton Jane Elliot	None indicated None indicated	West ½ East ½	John Sutton Mrs. Elliot	House House
13		Whole lot	Isaac Eyers	None indicated	Whole lot	William Mitchell	house
		West and	Illegible	None	Northwest 1/4	Jas. Cairnes	None indicated
15	11	south ¾ Northeast ¼	Th. Leslie	identifiable None indicated	Northeast 1/4	Thos. Leslie	House
					South ½	Jno. Cairnes Jr.	House
		Nigoth 17	The Debiese	Naga indicated	North ½ of north ½	T.E. Staples Estate	House
16		North ½ Tho. Robison South ½ Wm. Robison	Tho. Robison Wm. Robison		South ½ of north ½	Chris Chittick	House
					South 1/2	Thos. Fee	House
17		Whole lot	Robert Staples	None indicated	North ¼ South ¾	Wm. Werry Geo. Werry	None indicated House
18		North ½ South ½	James Brown John Brown	None indicated None indicated	North ½ South ½	John Brown Jas. Brown	None indicated House
10		North ½ Central ¼ South ¼	Wm. Colvin A. Wilson J. Wilson	House None indicated None indicated	North ½ Central ¼ South ¼	Jas. Colvin Sr. Geo. Wilson Jno. Wilson	Two houses None indicated House
		North ½	Arch Wilson	None indicated	North 1/2	Geo. Wilson	Two houses
11		South ½	John Wilson	None indicated	South ½	John Neals	House
12		Whole lot	Richard Staples	None indicated	Whole lot	Rich. Staples	Two houses
13		Whole lot	Archibald Wilson	Part of town of Lifford	Whole lot	Arch Wilson	Two house, church and hamlet of Lifford
15	10	Whole lot	Robert Eyrs (sic)	None indicated	SW corner Remaining lot	J. Sutton Robt. Staples	House House and church
		North 1/2	Henry Grandy	None indicated	North 1/2	Wm. Ward	None indicated
16		South ½	Thos. Grandy	None indicated	South ½	T.G. (likely Thos. Grandy)	House
		Northwest 1/4	Henry Grandy	None indicated	Northeast	Wm. Ward	House
17		Southwest 1/4	Thos. Grandy	None indicated None indicated	South and east 3/4	Thos. Grandy	House
		East ½	Rich. Grand	inorie indicated	east %		

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		1861		1879			
Lot	Con.	Portion	Owner/ Resident	Features	Portion	Owner/ Resident	Features
18		Whole lot	Samuel Vance	None indicated	Whole lot	Robt. Hannah	House and Orange Hall

Structures illustrated on historical county atlases and maps were not necessarily depicted or placed accurately (Gentilcore and Head 1984). In fact, historical county atlases were produced primarily to identify factories, offices, residences, and landholdings of subscribers and were funded by subscription fees. Landowners who did not subscribe were not always listed on the maps (Caston 1997:100). However, the road grid depicted demonstrates that, by 1878, much of the current road system was constructed and still recognizable today. Further, review of historical mapping also has inherent accuracy difficulties due to potential error in geo-referencing. Geo-referencing is conducted by assigning spatial coordinated to fixed locations and using these points to spatially reference the remainder of the map. Due to changes in "fixed" locations over time (e.g., road intersections, road alignment, watercourses, etc.), errors/difficulties of scale and the relative idealism of the historical cartography, historical maps may not translate accurately into real space points. This may provide obvious inconsistencies during historical map review.

1.2.2.4 Trent-Severn Waterway

The Project study area does cross the Bobcaygeon River and is in close proximity to Pigeon Lake, both of which are part of the Trent-Severn Waterway. Additionally, the Project study area does include the Bobcaygeon Lock and associated infrastructure, which is under the jurisdiction and operation of Parks Canada. The Trent-Severn Waterway is a 386-kilometre-long canal connecting Lake Ontario at Trenton to Georgian Bay at Port Severn. The canal was originally intended as a military route, but the first lock was built as a commercial venture in 1833. Several locks along the interior of the route were constructed by the 1830s, including the Bobcaygeon Lock, which was the first one constructed, in 1833. Construction was put on hold with no outlets for the canal. Construction was restarted in the 1880s with the route continuing westward but was put on hold soon after. The route was completed with the construction of the lock at Trenton in 1918. The canal is used by pleasure boats as shipping boats are too large for the canal (Legget 2015).

1.3 ARCHAEOLOGICAL CONTEXT

1.3.1 Natural Environment

The majority of the Project study area is located within the Peterborough Drumlin Field physiographic region (Chapman and Putnam 1984:113). The Peterborough Drumlin Field is a rolling till plain with an area of about 4,500 square kilometres (Chapman and Putnam 1984:169). Extending from Hastings County in the east to Simcoe County in the west the physiographic region contains approximately 3,000 drumlins and many other drumlinoid hills and surface flutings. In general, the region is between 180 and 250 metres above sea level (asl) (Chapman and Putnam 1984:169). With respect to agricultural use of the land in the region there is a roughly even split between crops and pasturage (Chapman and Putnam 1984:172).



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The Project study area near Mount Horeb is located within the Schomberg Clay Plains (Chapman and Putnam 1984:113). The Schomberg Clay Plains are a series of basins along the northern slopes of the Oak Ridges Moraine. The basins are located near Schomberg, Newmarket, and to the north of Lake Scugog. The clay plain near Lake Scugog overlies a flat till plain and a few drumlins occur (Chapman and Putnam 1984:176).

The study area contains a wide variety of soil series, listed in Table 5 (Gillespie and Richards 1957;). Most of the soil types are suitable for agricultural purposes and these soil types make up a large portion of the study area.

Table 5: Soils within Study Area

Soil Type	Slope	Drainage	Use
Brighton sandy loam	Gently rolling	Good	Suitable for agriculture
Cramahe Gravel	Hilly	Excessive	Not suitable for agriculture. Primarily used for pasture or left as woodlot
Dundonald sandy loam	Moderately rolling	Good	Suitable for agriculture
Dummer loam	Hilly	Good to excessive	Suitable for agriculture
Emily loam	Undulating	Imperfect	Suitable for agriculture after tile drainage
Granby sandy loam	Nearly level	Poor	Suitable for agriculture after tile drainage
Otonabee loam (including shallow and steep phases)	Moderately rolling to steep	Good to excessive	Suitable for agriculture
Simcoe clay	Nearly level	Poor	Not suitable for agriculture. Primarily used for pasture
Tecumseth sandy loam	Undulating	Imperfect	Suitable for agriculture with some limitations
Bottom land	Nearly level	Variable	Used for pasture
Muck	Depressional	Very poor	Used for woodlot

Potable water is the single most important resource for any extended human occupation or settlement and since water sources in southwestern Ontario have remained relatively stable over time, proximity to drinkable water is regarded as a useful index for the evaluation of archaeological site potential. In fact, distance to current water is one of the most commonly used variables for predictive modeling of archaeological site locations in Ontario. The Project study area is well situated with respect to potable water sources. Much of the Project study area is located near Pigeon Lake and Sturgeon Lake. Notable watercourse drainages within the Project study area include Pigeon River, Bobcaygeon River, Emily Creek, Jackson Creek and Stony Creek. Additionally, there are several small, unnamed watercourses that drain marshy areas into Pigeon Lake.

1.3.2 Pre-contact Indigenous Resources

Much of what is understood about the lifeways of Indigenous peoples is derived from archaeological evidence and ethnographic analogy. In Ontario, Indigenous culture prior to the period of contact with



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European peoples has been distinguished into cultural periods based on observed changes in material culture. These cultural periods are largely based on observed changes in formal lithic tools, and separated into the Early Paleo-Indian, Late Paleo-Indian, Early Archaic, Middle Archaic and Late Archaic periods. Following the advent of ceramic technology in the Indigenous archaeological record, cultural periods are separated into the Early Woodland, Middle Woodland, and Late Woodland periods, based primarily on observed changes in formal ceramic decoration. It should be noted that these cultural periods do not necessarily represent specific cultural identities but are a useful tool for understanding changes in Indigenous culture through time. The current understanding of Indigenous archaeological culture is summarized in Table 6 below, with dates indicated using the before Common Era (BCE) and Common Era (CE) designation (Ellis and Ferris 1990).

The following summary of the prehistoric occupation of Southern Ontario is based on syntheses in Archaeologix (2008), Damjkar (1990), Ellis and Ferris (1990), Jacques Whitford (2008), Ramsden (1989), and Sutton (1990).

Table 6: Generalized Cultural Chronology for Southern Ontario

Cultural Period	Characteristics	Time Period	Comments
Early Paleo-Indian	Fluted Projectiles	9000 - 8400 BCE	spruce parkland / caribou hunters
Late Paleo-Indian	Hi-Lo Projectiles	8400 - 8000 BCE	smaller but more numerous sites
Early Archaic	Kirk and Bifurcate Base Points	8000 - 6000 BCE	slow population growth
Middle Archaic	Brewerton-like points	6000 - 2500 BCE	environment similar to present
	Lamoka (narrow points)	2500 - 1800 BCE	increasing site size
Late Archaic	Broad Points	1800 - 1500 BCE	large chipped lithic tools
	Small Points	1500 - 1100 BCE	introduction of bow hunting
Terminal Archaic	Hind Points	1100 - 950 BCE	emergence of true cemeteries
Early Woodland	Meadowood Points	950 - 400 BCE	introduction of pottery
Middle Woodland	Dentate / Pseudo-Scallop Pottery	400 BCE – 550 Common Era (CE)	increased sedentism
	Princess Point	550 – 900 CE	introduction of corn
	Early Late Woodland Pottery	900 – 1300 CE	emergence of agricultural villages
Late Woodland	Middle Late Woodland Pottery	1300 – 1400 CE	long longhouses (100 m +)
	Late Late Woodland Pottery	1400 – 1650 CE	tribal warfare and displacement

Between 9000 and 8000 BCE, Indigenous populations were sustained by hunting, fishing, and foraging and lived a relatively mobile existence across an extensive geographic territory. Despite these wide territories, social ties were maintained between groups. One method of maintaining social ties was gift exchange, evident through exotic lithic material documented on many sites (Ellis 2013:35-40).

By approximately 8000 BCE, evidence exists and becomes more common for the production of groundstone tools such as axes, chisels, and adzes. These tools themselves are believed to be indicative specifically of woodworking. This evidence can be extended to indicate an increase in craft production and arguably craft specialization. This latter statement is also supported by evidence, dating to



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approximately 7000 BCE of ornately carved stone objects which would be laborious to produce and have explicit aesthetic qualities (Ellis 2013:41). This is indirectly indicative of changes in social organization which permitted individuals to devote time and effort to craft specialization. Since 8000 BCE, the Great Lakes basin experienced a low-water phase, with shorelines significantly below modern lake levels (Stewart 2013: Figure 1.1.C). It is presumed that most human settlements would have been focused along these former shorelines. At approximately 6500 BCE, the climate had warmed considerably since the recession of the glaciers and the environment had grown more like the present day. Evidence exists at this time for an increase in population and the contraction of group territories. By approximately 4500 BCE, evidence exists from southern Ontario for the utilization of native copper (naturally occurring pure copper metal) (Ellis 2013:42). The known origin of this material along the north shore of Lake Superior indicates the existence of extensive exchange networks across the Great Lakes basin.

At approximately 3500 BCE, the isostatic rebound of the North American plate following the melt of the Laurentide glacier had reached a point which significantly affected the watershed of the Great Lakes basin. Prior to this, the Upper Great Lakes had drained down the Ottawa Valley via the French-Mattawa river valleys. Following this shift in the watershed, the drainage course of the Great Lakes basin had changed to its present course. This also prompted a significant increase in water-level to approximately modern levels (with a brief high-water period); this change in water levels is believed to have occurred catastrophically (Stewart 2013:28-30). This change in geography coincides with the earliest evidence for cemeteries (Ellis 2013:46). By 2500 BCE, the earliest evidence exists for the construction of fishing weirs (Ellis *et al.* 1990: Figure 4.1). Construction of these weirs would have required a large amount of communal labour and are indicative of the continued development of social organization and communal identity. The large-scale procurement of food at a single location also has significant implications for permanence of settlement within the landscape. This period is also marked by further population increase and by 1500 BCE evidence exists for substantial permanent structures (Ellis 2013:45-46).

By approximately 950 BCE, the earliest evidence exists for populations using ceramics. Populations are understood to have continued to seasonally exploit natural resources. This advent of the ceramic technology is correlated, however, with the intensive exploitation of seed foods such as goosefoot and knotweed as well as mast such as nuts. The use of ceramics implies changes in the social organization of food storage as well as in the cooking of food and changes in diet. Fish also continued to be an important facet of the economy at this time. Evidence continues to exist for the expansion of social organization (including hierarchy), group identity, ceremonialism (particularly in burial), interregional exchange throughout the Great Lakes basin and beyond, and craft production (Williamson 2013:48-54).

By approximately 550 CE, evidence emerges for the introduction of maize into southern Ontario. This crop would have initially only supplemented Indigenous peoples' diet and economy (Birch and Williamson 2013:13-14). The archaeological evidence is supported by Mississauga oral history that speak of people coming into the Mississauga territory between 500 and 1000 CE and seeking permission to establish villages and an agricultural-based economy. Maize-based agriculture gradually became more important to societies and by approximately 900 CE permanent communities emerge which are primarily focused on agriculture and the storage of crops, with satellite locations oriented toward the procurement of other resources such as hunting, fishing, and foraging. This archaeologically defined culture, known as the Late Woodland in southern Ontario and is often divided into three temporal components: Early, Middle and



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Late Late Woodland. Sites associated with the Early Late Woodland period indicate that there was a continuation of similar subsistence practices and settlement patterns as the Middle Woodland. Villages tended to be small, with small longhouse dwellings that housed either nuclear or, with increasingly, extended families. Smaller camps and hamlets associated with villages served as temporary bases from which wild plant and game resources were acquired. Horticulture appears to have been for the most part a supplement to wild foods, rather than a staple.

The Middle Late Woodland period marks the point at which a fully developed horticultural system emerged, and at which point cultivars became the staple food source. By approximately 1250 CE, evidence exists for the common cultivation of historic Indigenous cultigens, including maize, beans, squash, sunflower, and tobacco. In this period villages become much larger than in the Early Late Woodland period, and longhouses also become much larger, housing multiple, though related, nuclear families. For those Indigenous peoples who began practicing cultivation, food production through horticulture resulted in the abandonment of seasonal mobility. Hunting, fishing, and gathering of wild food activities continued to occur at satellite camps. However, for the most part, most Late Woodland people inhabited large, sometimes fortified villages throughout southern Ontario.

During the Late Late Woodland period longhouses became smaller again, although villages became even larger. A number of Huron village sites have been discovered in the region that contain material culture associated with both Huron and St. Lawrence Iroquoians, suggesting that St. Lawrence Iroquoians who had abandoned their home territory along the north shore of the St. Lawrence River and found refuge in the Trent Valley and Kawartha Lakes area (Ramsden 2016). The villages were abandoned in the 16th century and the region was used as a buffer between the Huron and the Five Nations Iroquois.

The Late Late Woodland period in the Trent River system and along the north shore of Lake Ontario is marked by the emergence of the Huron-Wendat, one of several discrete groups that emerge out of the Middle Late Woodland period. Pre-contact Huron-Wendat villages have been documented in clusters along the north shore of Lake Ontario from just west of Toronto to Bellville, and north up through the Kawartha Lakes region. The Huron-Wendat were similar to other Iroquoian societies in many ways, including material culture, semi-permanent settlement practices, and a tendency toward agricultural mixed with hunting and gathering subsistence strategy (Ramsden 1990). Huron-Wendat settlements include large villages of several longhouses and camps for specialized extractive activities such as hunting and fishing, although there is discussion that these camps may actually be ancestral Mississauga sites. During the Late Late Woodland period, Huron-Wendat settlements along the north shore of Lake Ontario begin to move through the Humber River, Don River, Duffins Creek/Rouge River and Trent River systems and eventually coalesce into what is now Simcoe County and the area traditionally identified as "Huronia" (Birch 2012).

These communities living within the region of the Study Area are believed to have possessed many cultural traits similar to the historic Indigenous Nations (Williamson 2013:55). Both Huron-Wendat and Anishnaabeg traditional history indicate that the Huron-Wendat and Anishnaabeg cohabited the region (Kapyrka 2018).



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1.3.3 Known Archaeological Sites and Surveys

In Canada, archaeological sites are registered within the Borden system, a national grid system designed by Charles Borden in 1952 (Borden 1952). The grid covers the entire surface area of Canada and is divided into major units containing an area that is two degrees in latitude by four degrees in longitude. Major units are designated by upper case letters. Each major unit is subdivided into 288 basic unit areas, each containing an area of 10 minutes in latitude by 10 minutes in longitude. The width of basic units reduces as one moves north due to the curvature of the earth. In southern Ontario, each basic unit measures approximately 13.5 kilometres east-west by 18.5 kilometres north-south. In northern Ontario, adjacent to Hudson Bay, each basic unit measures approximately 10.2 kilometres east-west by 18.5 kilometres north-south. Basic units are designated by lower case letters. Individual sites are assigned a unique, sequential number as they are registered. These sequential numbers are issued by the MHSTCI who maintain the *Ontario Archaeological Sites Database*. The study area is located within Borden blocks BbGo, BbGp, BcGp and BdGp.

Information concerning specific site locations is protected by provincial policy and is not fully subject to the *Freedom of Information and Protection of Privacy* Act (Government of Ontario 1990b). The release of such information in the past has led to looting or various forms of illegally conducted site destruction. Confidentiality extends to all media capable of conveying location, including maps, drawings, or textual descriptions of a site location. The MHSTCI will provide information concerning site location to the party or an agent of the party holding title to a property, or to a licensed archaeologist with relevant cultural resource management interests.

An examination of the *Ontario Archaeological Sites Database* has shown that three archaeological sites have been registered within a 1 km radius of the study area (Government of Ontario 2021a). The sites are detailed below in Table 7. One site, BcGp-1, is located within the Project study area and its disposition is undetermined.

Table 7: Registered Sites within One Kilometre of the Study Area

Borden #	Site Name	Cultural Affiliation	Site Type	Disposition
BcGp-1	Lawrie	Middle Woodland Indigenous	Campsite	Unknown
BcGp-2	Tuftsville	Pre-contact Indigenous	Campsite	No further CHVI
BcGp-3	none given	Pre-contact Indigenous	Campsite	No further CHVI

In addition to the identified registered archaeological sites, land registry data indicates that a private burying ground is associated with a property north of Park Street and west of Mansfield Street. Further, oral history from Curve Lake First Nation records a potential archaeological site in proximity to the Bobcaygeon Branch of the Kawartha Lakes Public Library (M. Book, Enbridge, pers. comm., Nov. 25, 2021).

Although there have been periods of extensive archaeological research in the Trent River Valley system throughout the early and later parts of the 20th century, much of that work has been focused on the Lower Trent Valley, from Lake Ontario up to and including Rice Lake, and in the Upper Trent Valley around Balsam Lake (Heritage Quest Inc. 2000; Ramsden 1994; Sutton 1990). Little archaeological



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research has occurred for much of Sturgeon Lake, and recently has largely been associated with cultural resource management studies.

An examination of the *Ontario Public Register of Archaeological Reports* has shown that eight previous archaeological assessments have been completed in, or within 50 metres of, the study area (Government of Ontario 2021b). These assessments are detailed below in Table 8.

Table 8: Previous Archaeological Assessments within 50 metres of the Study Area

Project Information Form (PIF) Number	Report	Reference
P156-0130-2011	A Stage I-II Archaeological/Heritage Assessment for the Harrison Severance Rezoning By-Law Application: at the North End Of 23 Wipsi Shore Road, R.R. #5, Lindsay, Ontario. Located In Part Lot 19, Concession 10 (Former Geographic Township of Emily, City of Kawartha Lakes (Formerly Known as Victoria County), Ontario	York North Archaeological Services Inc. (YNAS) 2012
P367-003-2012	Stage 1-2 Archaeological Assessment, Front and West Streets, Part of Lot 16, Concession 9 Geographic Township of Verulam, County of Victoria, City of Kawartha Lakes, Ontario	Wagner Archaeological Services Inc. (WASI) 2012
P156-0200-2014	A Stage 1-2 Archaeological Assessment of The Lonesome Pine Resort Located at 2346 Pigeon Lake Road, In Lots 22 And 23, Concession 14, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.	YNAS 2014a
P156-0218-2014	A Stage 3 Archaeological Assessment of BcGp-4 at The Lonesome Pine Resort Located at 2346 Pigeon Lake Road, In Lots 22 And 23, Concession 14, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.	YNAS 2014b
P156-0233-2014	A Stage 1 Archaeological Assessment of Emily Provincial Park Located At 797 Kawartha Lakes County Road 10 (Emily Park Road), In Lot 12, Concession 6, Emily Township, City of Kawartha Lakes (Formerly Victoria County), Ontario.	YNAS 2015
P046-0185-2016	Stage 1 and 2 Archaeological Assessment of Port 32, Part of Lot 40 Registrar's Compiled Plan #564 and Part of Lot 12, Concession 19, Geographic Township Of Harvey, City of Kawartha Lakes, Ontario	Archaeological Services Inc. (ASI) 2016
P310-0200-2018	Stage 1 & 2 Archaeological Assessment 8 Mitchell Drive, Part of Lot 13, Concession 7, Geographic Township of Emily, City of Kawartha Lakes	Earthworks Archaeological Services Inc. (EASI) 2018
P415-0286-2021	Stage 1 Archaeological Assessment: ARROW Kawartha Lakes Campbellford Former Rail Line: Various Lots and Concessions, various Geographic Townships, various Lower Tier Municipalities, Hastings County, Northumberland County, Peterborough County, and Kawartha Lakes, Ontario	Stantec 2021

YNAS completed a Stage 1 -2 archaeological assessment under PIF number P156-0130-2011 issued to Patricia Dibb for a lot severance application for a property located in the north half of Lot 19, Concession 10 in the Township of Emily (YNAS 2012). The Stage 1 portion of the study identified the property as retaining archaeological potential and Stage 2 assessment was completed through test pit survey (YNAS



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2012). No archaeological resources were recovered during the Stage 2 assessment and the property was deemed to be clear of further archaeological concerns (YNAS 2012).

WASI completed a Stage 1 -2 archaeological assessment under PIF number P367-003-2012 issued to Teresa B. Wagner as part of a Zoning By-Law Amendment for a property located on the north bank of the Bobcaygeon River, in part of Lot 16, Concession 9 in the Township of Verulam, in the Town of Bobcaygeon (WASI 2012). The Stage 1 portion of the study identified the property as retaining archaeological potential, due in part to it being one of the first lots purchased in Verulam and for its proximity to the Bobcaygeon River (WASI 2012). Stage 2 assessment was completed through test pit survey; no archaeological material was recovered during the Stage 2 assessment and no further assessment was recommended (WASI 2012).

Under PIF number P156-0200-2014 issued to Patricia Dibb, YNAS conducted a Stage 1-2 archaeological assessment of a property for a rezoning application in Lots 22 and 23, Concession15, Township of Emily (YNAS 2014a). The Stage 1 assessment identified that the property retained archaeological potential and Stage 2 assessment by test pit survey was recommended (YNAS 2014a). The Stage 2 assessment identified one positive test pit and a 1 x 1 metre test unit was excavated over the location of the positive test pit (YNAS 2014a). One unworked piece of Trent Valley chert was recovered from the test pit and four pieces of Trent Valley chert chipping detritus were recovered from the test unit excavation (YNASA 2014a). Based on the results of the Stage 2 assessment YNAS recommended additional Stage 3 assessment for the site, which was given Borden number BcGp-4 (YNAS 2014a) YNAS completed the Stage 3 assessment of BcGp-4 under PIF number P156-0218-2014 issued to Patricia Dibb (YNAS 2014b). A total of 11 test units were excavated, of which eight were found to contain additional chipping detritus and faunal material (YNAS 2014b). In all 14 pieces of Trent Valley chert shatter, three pieces of quartz shatter, seven calcined bone pieces and one fish bone (YNAS 2014b). No archaeological features were identified in any of the test units. Based on Section 3.4.1 of the Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011) the site did not meet criteria to move to Stage 4 mitigation of impacts and the cultural heritage value or interest of the site was considered to be sufficiently documented at Stage 3 (YNAS 2014a).

In 2018 EASI completed a Stage 1-2 archaeological assessment for a lot severance application for a property in Lot 13, Concession, Township of Emily under PIF 310-0200-2018 issued to Anthony Butler (EASI 2018). Based on an evaluation that the property retained archaeological potential Stage 2 assessment was completed across the property. No archaeological resources were identified during the Stage 2 test pit assessment and no further assessment was recommended (EASI 2018).

Under PIF number P156-0233-2014 issued to Patricia Dibb, YNAS completed a Stage 1 archaeological assessment of Emily Provincial Park, Located in Lot 12, Concession 6 of Emily Township (TNAS 2016). The Stage 1 found that, except for two areas of previous extensive disturbance along the Pigeon River that had been subject to extensive grading below topsoil and fill activities, the remainder of the park retains potential for the recovery of archaeological resources and further Stage 2 assessment was recommended in areas where additional development of park lands may occur (YNAS 2016).

ASI completed Stage 1 and 2 archaeological assessment under PIF number P046-0185-2016 issued to Andrew Clish of a potential development property in Port 32, pat of Lot 12, Concession 19 of Harvey



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Township, at the east end of the island that forms the Town of Bobcaygeon (ASI 2016). The Stage 1 assessment identified the property as retaining archaeological potential, due to its proximity to the Bobcaygeon River, and Stage 2 assessment through test pit survey was recommended (ASI 2016). The test pit survey identified areas that had been previously extensively disturbed, amounting to approximately 31% of the study area, or were composed of exposed bedrock (14% of the study area) (ASI 2016). The remainder was subject to test pit survey. No archaeological resources were identified during the Stage 2 assessment and no further assessment was recommended (ASI 2016).

Stantec (2021) carried out a Stage 1 archaeological assessment for an abandoned rail line, entitled *Stage 1 Archaeological Assessment: ARROW Kawartha Lakes Campbellford Former Rail Line: Various Lots and Concessions, various Geographic Townships, various Lower Tier Municipalities, Hastings County, Northumberland County, Peterborough County, and Kawartha Lakes, Ontario.* The Stage 1 for the ARROW – Kawartha Lakes Campbellford Former Rail Line crosses the present study area at Emily Park Road, south of Cowan's Bay. The Stage 1 assessment of the ARROW – Kawartha Lakes Campbellford Former Rail Line found that the rail bed was previously disturbed and did not retain potential for the recovery of archaeological resources. Other portions of the study area, however, did exhibit potential for the identification and recovery of archaeological resources. These areas were recommended for a Stage 2 archaeological assessment.

Additionally, Northeastern Archaeological Associates Ltd. (NAA) completed Stage 1 and 2 archaeological assessment around Bobcaygeon Beach Park entitled Stage 1 and 2 Archaeological Assessment of Bobcaygeon Beach Park, Lot 15, Concession 10 And 9, Village of Bobcaygeon, Geographic Township of Verulam, City of Kawartha Lakes, Ontario under PIF number P025-0706-2021 (L. Jackson, pers. comm., January 21, 2022; NAA in press). Although the report has not yet been accepted into the Ontario Public Register of Archaeological Reports and the full details of the assessment are not available, the report does document a plan of Bobcaygeon, based on a sketch by Thomas Need from 1833, indicating the location of a possible cemetery or "burying ground" along the south bank of the Big Bob Channel in part of Lot 15, Concession 10 in Verulam Township (Figure 14). Although that historical sketch and presentday land registry records demarcate the property as a burial ground there is no evidence that burials ever occurred here (L. Jackson, pers. comm., January 21, 2022) and no other available historical mapping indicates a cemetery here. Moreover, Thomas Need, in his book Six Years in the Bush makes no mention of any cemetery or burying ground along the bank of the river (Need 1838) and no indication of such is evident on the original survey map (Huston 1823). The Stage 2 assessment identified only a single artifact, associated with the historical land-use by the Lindsay, Bobcaygeon and Pontypool Railway, and determined that the property had been extensively and deeply disturbed by rail activated and modern construction activities (NAA in press).

1.3.3.1 Previous Studies

Two previous studies have been completed for portions of the Project study area.

In 2006, under PIF# P002-067-2006 issued to Colin Varley, Jacques Whitford completed a Stage 1 archaeological assessment of a proposed pipeline to Bobcaygeon entitled *Stage 1 Archaeological Assessment, Proposed Gas Distribution Pipeline, Bobcaygeon, City of Kawartha Lakes, Ontario* (Jacques Whitford 2006). That study area, which follows a portion of the PPR for the proposed Supply Lateral to



Project Context

Bobcaygeon, was focused on the existing road allowances starting from Peace Road and heading north along Centreline Road and Pigeon Lake Road to the Town of Bobcaygeon (Jacques Whitford 2006). Five areas of archaeological potential were identified and recommended for Stage 2 assessment (see Figure 14-1 to 14-6) (Jacques Whitford 2006, 2017). The recommendations of that report were made under the 1993 Archaeological Assessment Technical Guidelines 1993 (Stages 1-3 & Reporting Format) (Government of Ontario 1993), which have been superseded by the 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011). However, the MHSTCI confirmed that the recommendations of the 1006 Stage 1 assessment would be allowed to stand for the project, with additional assessment recommended for the lands surrounding the channels of the Bobcaygeon River (A. Williams, MHSTCI, email pers. comm., June 26, 2017). The recommendation of Stage 2 assessment for those areas has been carried forward into the recommendations for this report.

In 2016 Stantec completed a Stage 1 assessment of a proposed pipeline to Fenelon Falls under PIF # P415-0060-2016 issued to Patrick Hoskins entitled Stage 1 Archaeological Assessment, Proposed Pipelines to Serve the Communities of Fenelon Falls and Bobcaygeon: Various Lots, Concessions 8-10, Clarke Township, Concessions 1-14, Manvers Township, Regional Municipality of Durham and Concessions 1-8, Ops Township, Concessions 2-11, Fenelon Township, Concessions 1-10, Verulam Township, Victoria County, City of Kawartha Lakes, Ontario (Stantec 2016). This assessment, focused on existing road allowances, identified general archaeological for most of the study area, including the portions of the PPR of the proposed Reinforcement Lateral of the current Project study area along Highway 35 and St. Marys Road near Mount Horeb (Stantec 2016) (Figures 14-9 to 14-11). Additionally, the assessment identified archaeological potential along most of the study area in Bobcaygeon (Stantec 2016). Areas of archaeological potential were recommended for Stage 2 assessment and have been carried forward into the recommendations for this report.

1.3.4 Existing Conditions

The Project study area is approximately 50 kilometres in length in an overall study area of approximately 11,907 hectares and, though centred on municipal rights of way (ROW) does include areas of forest, scrubland, meadow, agricultural fields, manicured lawn, residential and commercial development, the Town of Bobcaygeon, and low and wet areas, the latter particularly notable along the shore of Pigeon Lake. The study area also contains a portion of the Trent Severn Waterway, notably the Bobcaygeon Lock, that is operated by Parks Canada.



Field Methods

2.0 FIELD METHODS

The Stage 1 archaeological assessment compiled information concerning known and/or potential archaeological and heritage resources within the study area. A property inspection was conducted on October 29, 2021, under PIF P415-0323-2021 issued to Patrick Hoskins, MA, by the MHSTCI. The property inspection involved spot checks of the study area to identify the presence or absence of features of archaeological potential, in accordance with Section 1.2 of the MHSTCI' 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). Prior to the start of the Stage 1 property visit, the Client provided mapping which defined the limits of the study area. These files were then geo-referenced by Stantec's Geographic Information Services (GIS) team and a digital file (i.e., a shape file) was created of the Project's study area. The digital file was uploaded to handheld devices for use in the field.

The Project study area was accessed by publicly accessible roadways. During the property inspection, the weather was sunny to overcast and cool. Visibility of land features was excellent throughout the study area. Lighting and weather conditions were not detrimental to the identification of features of archaeological potential. The photography from the property inspection (see Section 7.1) confirms that the requirements for a Stage 1 property inspection were met, as per Section 1.2 and Section 7.7.2 Standard 1 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011).

The Project study area incorporates an area of approximately 11,907 hectares within which the 50 kilometres of proposed new supply and reinforcement laterals is incorporated. The Stage 1 property inspection consisted of reviewing and photographing the general conditions of the PPR and specific areas of interest, such as wet ground, areas of steep slope and areas of disturbance within the Project study area observable from municipal roadways. No access was provided to private properties. In the Town of Bobcaygeon a sample of photos was taken to provide a general understanding of conditions. However, the Town of Bobcaygeon is considered to have general archaeological potential.



Analysis and Conclusions

3.0 ANALYSIS AND CONCLUSIONS

Archaeological potential is established by determining the likelihood that archaeological resources may be present on a subject property. Stantec applied archaeological potential criteria commonly used by the Ontario MHSTCI (Government of Ontario 2011) to determine areas of archaeological potential within the region under study. These variables include proximity to previously identified archaeological sites, distance to various types of water sources, soil texture and drainage, glacial geomorphology, elevated topography and the general topographic variability of the area.

Distance to modern or ancient water sources is generally accepted as the most important determinant of past human settlement patterns and considered alone, may result in a determination of archaeological potential. However, any combination of two or more other criteria, such as well-drained soils or topographic variability, may also indicate archaeological potential. Finally, extensive land disturbance can eradicate archaeological potential (Government of Ontario 2011).

Distance to water is an essential factor in archaeological potential modeling. When evaluating distance to water it is important to distinguish between water and shoreline, as well as natural and artificial water sources, as these features affect site locations and types to varying degrees. The MHSTCI (Government of Ontario 2011) categorizes water sources in the following manner:

- Primary water sources: lakes, rivers, streams, creeks.
- Secondary water sources: intermittent streams and creeks, springs, marshes and swamps.
- Past water sources: glacial lake shorelines, relic river or stream channels, cobble beaches, shorelines
 of drained lakes or marshes.
- Accessible or inaccessible shorelines: high bluffs, swamp or marshy lake edges, sandbars stretching into marsh.

The Project study area is well situated with respect to potable water sources. Much of the Project study area is located near Pigeon Lake and Sturgeon Lake. Notable watercourse drainages within the Project study area include Pigeon River, Bobcaygeon River, Emily Creek, Jackson Creek and Stony Creek. Additionally, there are several small, unnamed watercourses that drain marshy areas into Pigeon Lake.

Soil texture can be an important determinant of past settlement, usually in combination with other factors such as topography. The Project study area contains several well drained soils suitable for Indigenous and Euro-Canadian cultivation (Brighton sandy loam, Dundonald sandy loam, Dummer loam, Otonabee loam and Tecumseth sandy loam). There are, however, fairly widespread occurrences of less suitable soil types which have poor or excessive drainage.

There are three registered pre-contact Indigenous sites within one kilometre of the Project study area, and several more known sites outside of that one kilometre buffer. The Trent River valley is one of the most important drainages

For Euro-Canadian sites, archaeological potential can be extended to areas of early Euro-Canadian settlement, including places of military or pioneer settlements; early transportation routes; properties



Analysis and Conclusions

listed on the municipal register or designated under the *Ontario Heritage Act* (Government of Ontario 1990a); and properties that local histories or informants have identified with possible historical events, activities or occupations. Much of the study area was initially settled in the early to mid-19th century and by the late 19th century settlement had occurred over most of the lands in and around the Project study area. The Bobcaygeon Lock was the first lock constructed for what is now the Trent-Severn waterway, making it an early commercial venture providing ease of movement of vessels between Pigeon and Sturgeon lakes.

When the above listed criteria are applied, the study area demonstrates general potential for the recovery of pre-Contact, post-Contact, and Euro-Canadian archaeological resources. However, the property visit has determined that the existing roadway and associated ditches have caused disturbance in the municipal RoW that has removed archaeological potential where those disturbances have occurred. However, the entire width of the RoW has not been disturbed in all areas and those undisturbed portions of the RoW retain archaeological potential. Moreover, some areas of steep slope and low and wet ground were identified during the property visit. These areas have also been determined not to retain archaeological potential

Several previous archaeological assessments have been completed within the Project study area, including one along the PPR of the Supply Lateral to Bobcaygeon. These previous assessments have identified that no further archaeological assessment is required for some portions of the Project study area. Additionally, some recommendations for further assessment were made in three of those reports and those recommendations have been carried forward into the recommendations of this report.



Recommendations

4.0 RECOMMENDATIONS

The Stage 1 archaeological assessment, involving background research and a property inspection, resulted in the determination that portions of the study area were observed to exhibit potential for the identification and recovery of archaeological resources. In accordance with Section 1.3.1 and Section 7.7.4 of the MHSTCl's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011), **Stage 2 archaeological assessment is recommended for portions of the study area which have been identified as retaining archaeological potential (Figures 14.1 to 14.11 and Figures 15.1 to 15.17).** Archaeological construction monitoring may be necessary within built-up areas where Stage 2 field assessment is not feasible.

The objective of the Stage 2 archaeological assessment will be to document any archaeological resources within the portions of the study area still retaining archaeological potential and to determine whether these archaeological resources require further assessment. If the Project is constructed within the limits of municipal ROW the Stage 2 archaeological assessment will be conducted through test pit survey as outlined in Section 2.1.2 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards require that each test pit be at least 30 centimeters in diameter, excavated to at least five centimeters into subsoil, and have all soil screened through six millimetre hardware cloth to facilitate the recovery of any cultural material that may be present. Prior to backfilling, each test pit will be examined for stratigraphy, cultural features, or evidence of fill.

Where Project temporary workspaces, laydowns or other facilities are to be located outside of the municipal ROW and those areas are within areas of current or recent agricultural activity then Stage 2 archaeological assessment will also include the systematic walking of open ploughed fields at five metre intervals as outlined in Section 2.1.1 of the MHSTCI's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011). The MHSTCI standards further require that all agricultural land, both active and inactive, be recently ploughed and sufficiently weathered to improve the visibility of archaeological resources. Ploughing must be deep enough to provide total topsoil exposure, but not deeper than previous ploughing, and must be able to ensure at least 80% ground surface visibility.

Should any additional areas of disturbance or features indicating that archaeological potential has been removed, including permanently wet areas, exposed bedrock and steep slopes, not previously identified during the Stage 1 property inspection be encountered during the Stage 2 archaeological assessment, they will be documented as outlined in Section 2.1.8 of the MHSTCl's 2011 *Standards and Guidelines for Consultant Archaeologists* (Government of Ontario 2011).

Portions of the Project study area have been subject to previous archaeological assessments (ASI 2016; EASI 2018: WASI 2012: YNAS 2012, 2014a, 2014b, 2105) and specifically some parts of the preferred preliminary routing options have been subject to previous Stage 1 assessment (Jacques Whitford 2006, 2017; Stantec 2016) (Figures 14-1 to 14-6 and 14-9 to 14-11). The recommendations from those reports, both pertaining to the general Project study area and the preferred routing options, have been carried forward to this report including the recommendation for Stage 2 assessment for portions from the



Recommendations

previous Bobcaygeon pipeline route Stage 1 assessment along Pigeon Lake Road and Centreline Road (Jacques Whitford 2006, 2017) and the Fenelon Falls pipeline route along Highway 35 (Stantec 2016).

Any portion of the Project route that is proposed to cross the Bobcaygeon River through property owned by Parks Canada will require assessment under Parks Canada policy and standards, which differ from the MHSTCI *Standards and Guidelines for Consultant Archaeologists*. It should also be noted that these specific areas have the highest degree of archaeological potential. It is recommended that any discussions between the proponent and Parks Canada for permission to conduct assessment and/or access the land for project purposes occur early to ensure that any specific Parks Canada requirements are met.

In addition to the above, the Stage 1 archaeological assessment determined that there are areas within the study area which retain low to no archaeological potential due to previous deep and/or extensive disturbances, typically within the municipal RoW, or presence of permanently wet ground, including in the Bobcaygeon River and Pigeon Lake. In accordance with Section 1.3.2 and Section 7.7.4 of the MHSTCI's 2011 Standards and Guidelines for Consultant Archaeologists (Government of Ontario 2011), Stage 2 archaeological assessment is not required for portions of the study area which retain low to no archaeological potential (Figures 14-1 to 14-11 nad Figure 15-1 to 15-17).

In addition to the above, the portion of the Project study area containing the Bobcaygeon River and Pigeon Lake may retain potential for the identification of marine archaeological resources (Figure 6). At this time, no construction impacts to the Bobcaygeon River or Pigeon Lake are anticipated as part of the Project. Thus, no marine archaeological assessment is required. However, if it is determined that in-water impacts to the Bobcaygeon River or Pigeon Lake will occur as part of the Project, it is recommended that it is recommended that potential for marine archaeological resources be evaluated using the MHSTCI's Criteria for Evaluating Marine Archaeological Potential Checklist.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* and may not be altered, or have artifacts removed from them, except by a person holding an archaeological license.

The MHSTCI is asked to accept this report into the Ontario Public Register of Archaeological Reports.



Advice on Compliance with Legislation

5.0 ADVICE ON COMPLIANCE WITH LEGISLATION

In accordance with Section 7.5.9 of the MHSTCI's 2011 <u>Standards and Guidelines for Consultant Archaeologists</u> (Government of Ontario 2011), the following standard statements are a required component of archaeological reporting and are provided verbatim from the MHSTCI's 2011 <u>Standards and Guidelines for Consultant Archaeologists</u> (Government of Ontario 2011).

This report is submitted to the Minister of Heritage, Sport, Tourism and Culture Industries as a condition of licensing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18 (Government of Ontario 1990a). The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the Ministry of Heritage, Sport, Tourism and Culture Industries, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* (Government of Ontario 1990a) for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeological Reports referred to in Section 65.1 of the *Ontario Heritage Act* (Government of Ontario 1990a).

Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a). The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a).

The Funeral, Burial and Cremation Services Act, 2002, S.O. 2002, c.33 (Government of Ontario 2002) require that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Government and Consumer Services.

Archaeological sites recommended for further archaeological fieldwork or protection remain subject to Section 48(1) of the *Ontario Heritage Act* (Government of Ontario 1990a) and may not be altered, or have artifacts removed, except by a person holding an archaeological license.



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7.0 PHOTOS

7.1 IMAGES

Photo 1: South end of Project study area, showing disturbed RoW and Enbridge pipeline, facing west



Photo 3: View of disturbed RoW and area of extensive wetland in background, undisturbed scrubland to east and west, facing southeast



Photo 2: South end of Project study area, showing disturbed RoW and undisturbed land to east, facing south



Photo 4: View of disturbed RoW; agricultural fields in background, undisturbed scrubland to east and west, facing east



Photo 5: Disturbed RoW in Mount Pleasant, facing north



Photo 7: Disturbed RoW and adjacent undisturbed scrubland and agricultural fields, facing northwest



Photo 6: Disturbed RoW and steep slope up to road grade, facing south



Photo 8: Disturbed RoW and adjacent undisturbed lawn and wooded area, facing northwest



Photo 9: Low and permanently wet area along Tracey's Mill Road, facing southwest



Photo 11: Disturbed RoW with undisturbed agricultural fields adjacent, facing southwest



Photo 10: Disturbed right of way and undisturbed wooded areas to north and south, facing southwest



Photo 12: Disturbed RoW with undisturbed forest and scrubland adjacent, facing south



Photo 13: Disturbed cul-de-sac, RoW and residential development, facing northeast

Photo 14: Disturbed Row and low density residential development, facing south





Photo 15: Disturbed RoW and undisturbed adjacent scrubland and forest, facing east

Photo 16: Residential development, with disturbed RoW, driveways and ditching, and likely disturbed manicured lawns, facing northeast





Photo 17: Residential development, with disturbed RoW, driveways and ditching, below grade utilities and likely disturbed manicured lawns, facing east

Photo 18: Undisturbed wooded area at north end of residential development, facing northwest



Photo 19: Residential development, disturbed roadway, potentially minimally disturbed manicured lawns, facing northeast



Photo 20: Disturbed roadway, undisturbed wooded areas adjacent, facing west





Photo 21: View of previous RoW disturbance down to bedrock, Town of Bobcaygeon, facing north



Photo 23: Mount Horeb Road, disturbed Row, area of low and wet ground to north and undisturbed wooded areas to north and south of road, looking southwest

Photo 22: Typical streetscape in Town of Bobcaygeon showing disturbed RoW and manicured lawns, facing northeast



Photo 24: Mount Horeb Road, road cut into drumlin, disturbed RoW and sloped grade, undisturbed agricultural fields beyond edge of grade and in background, facing northeast





Photo 25: Mount Horeb Road at Highway 35, road cut into drumlin, disturbed RoW and sloped grade, undisturbed agricultural fields and wooded areas beyond edge of grade, facing northeast

Photo 26: Pigeon River and associated wetlands along banks, low and permanently wet, facing northwest



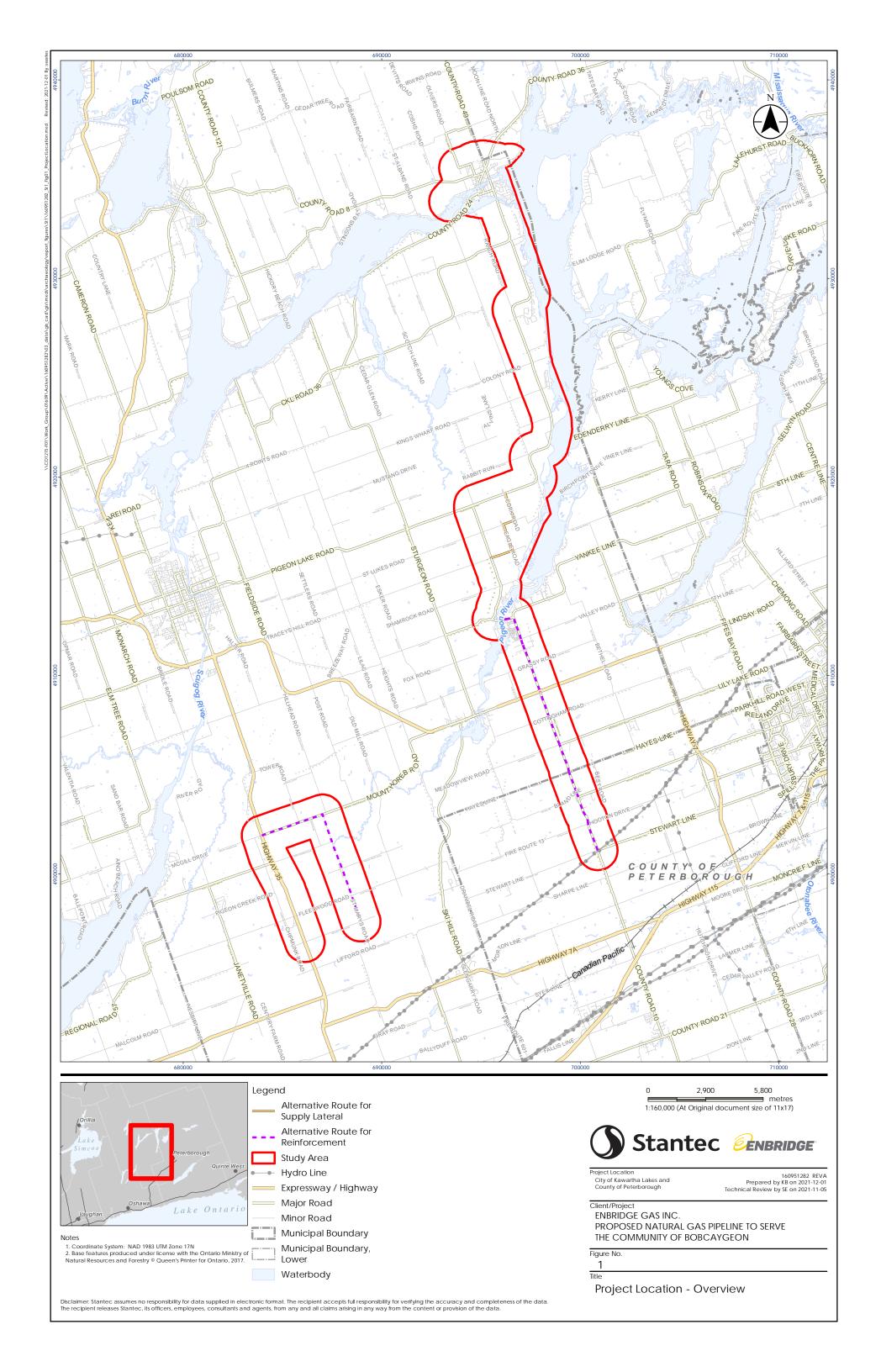


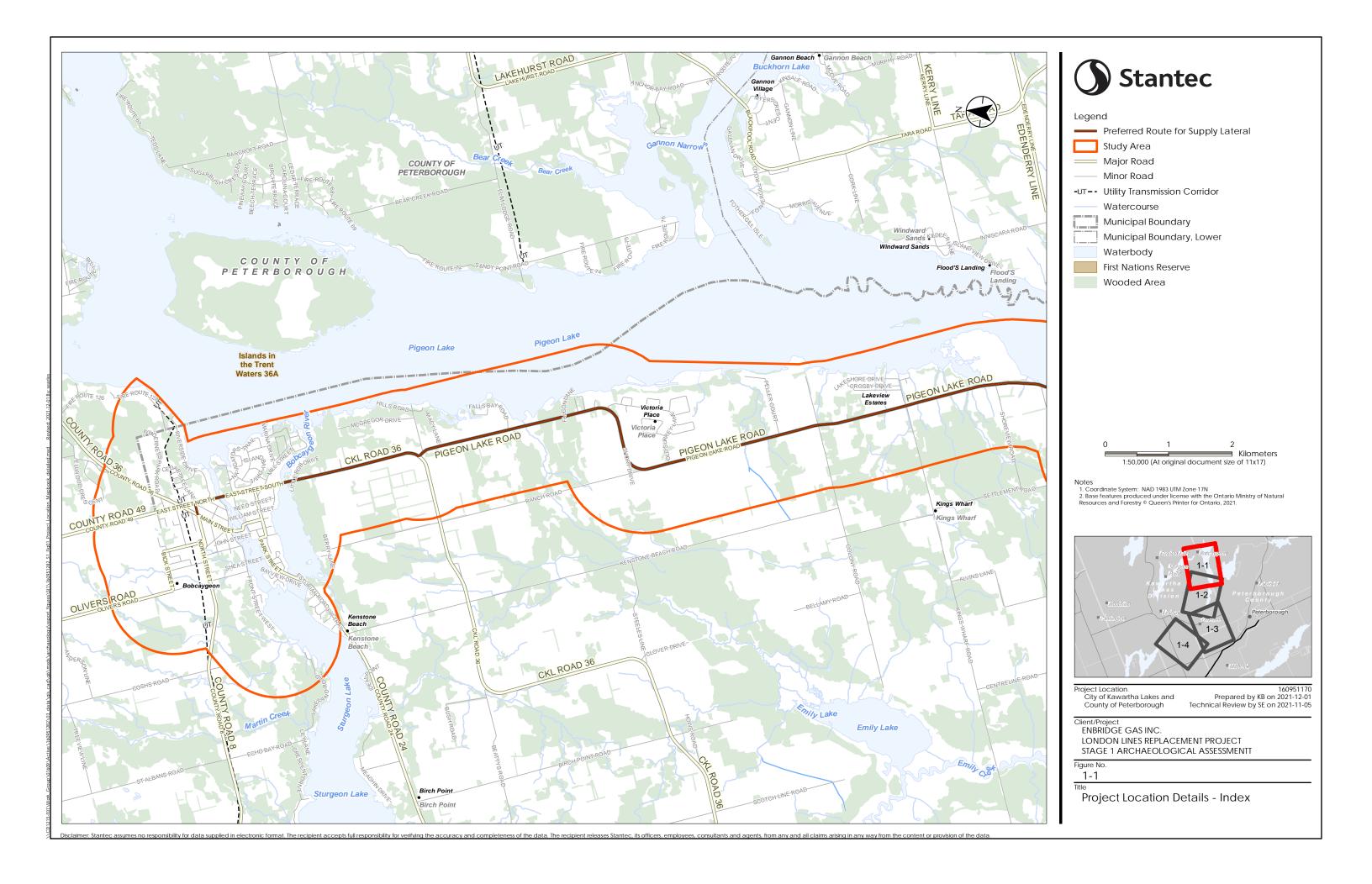
Maps

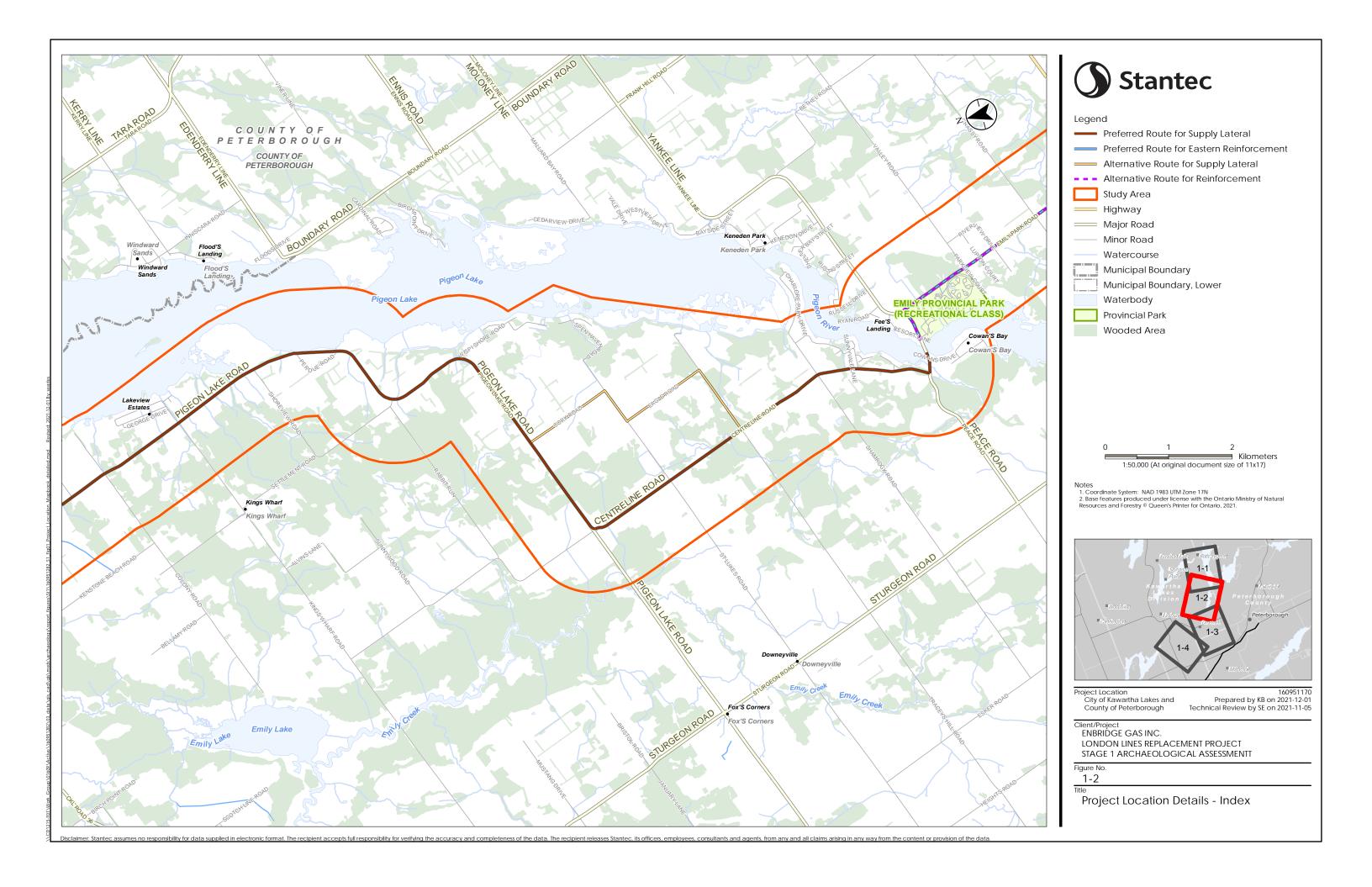
8.0 **MAPS**

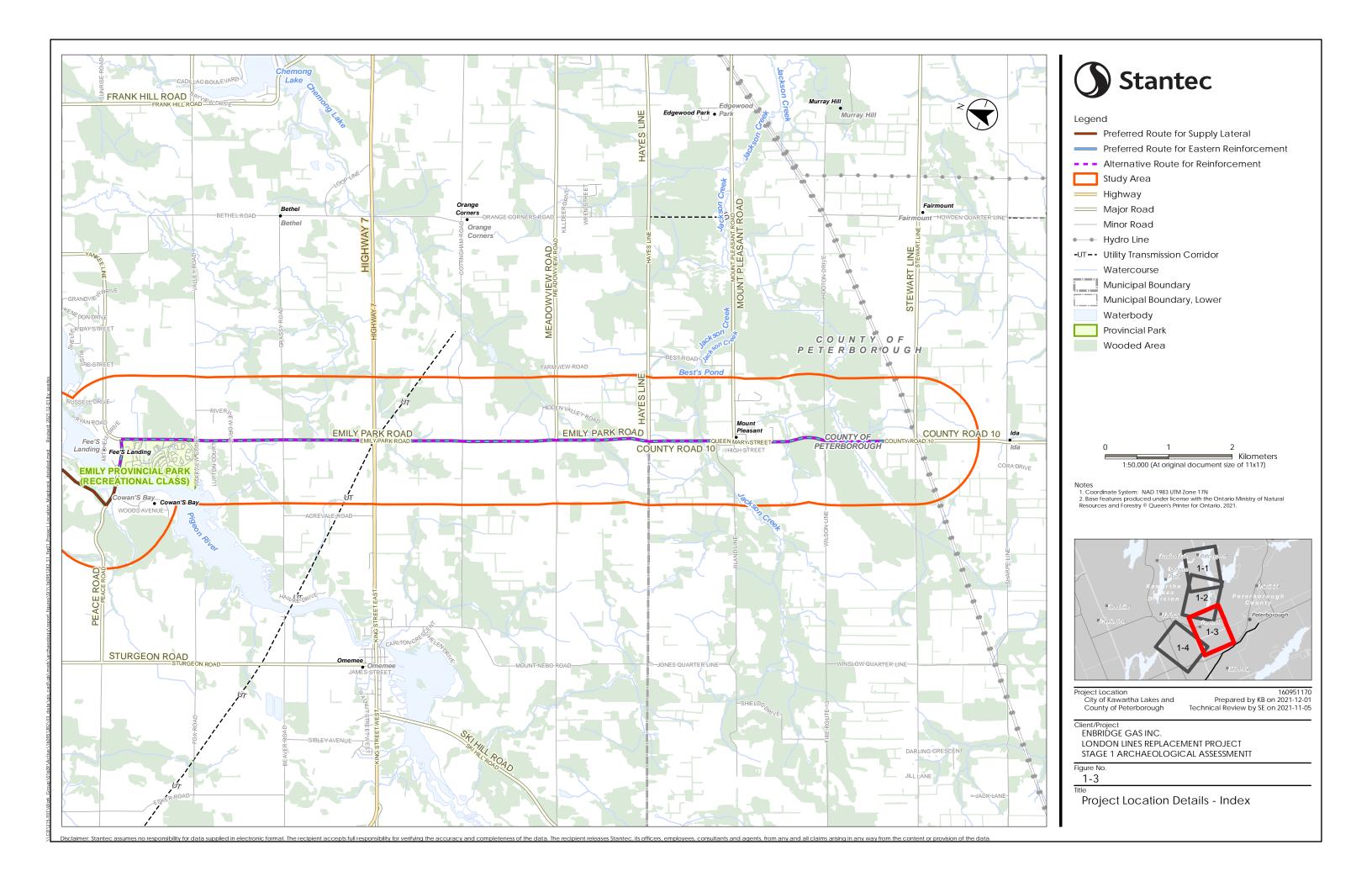
All maps will follow on succeeding pages.

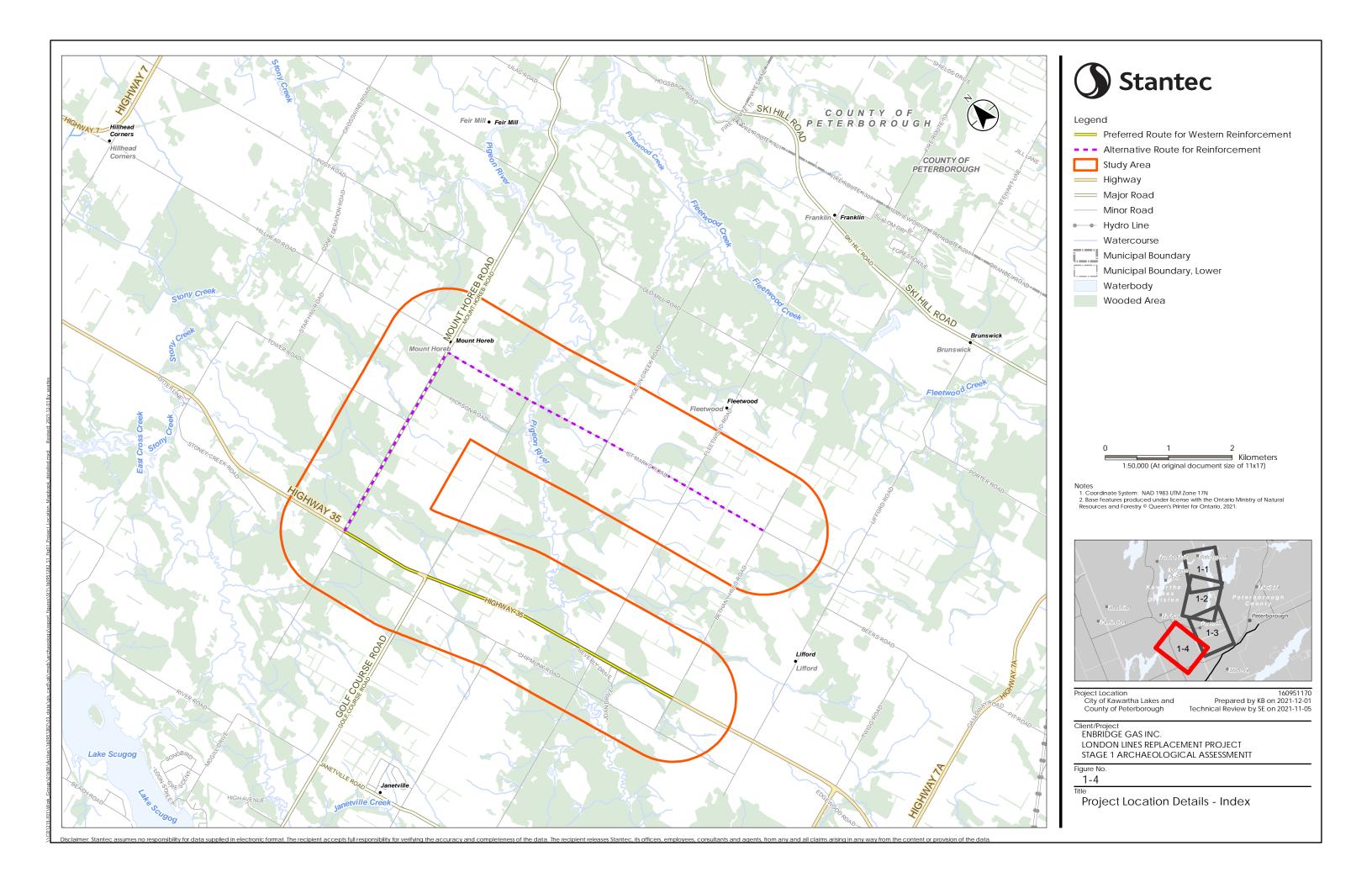


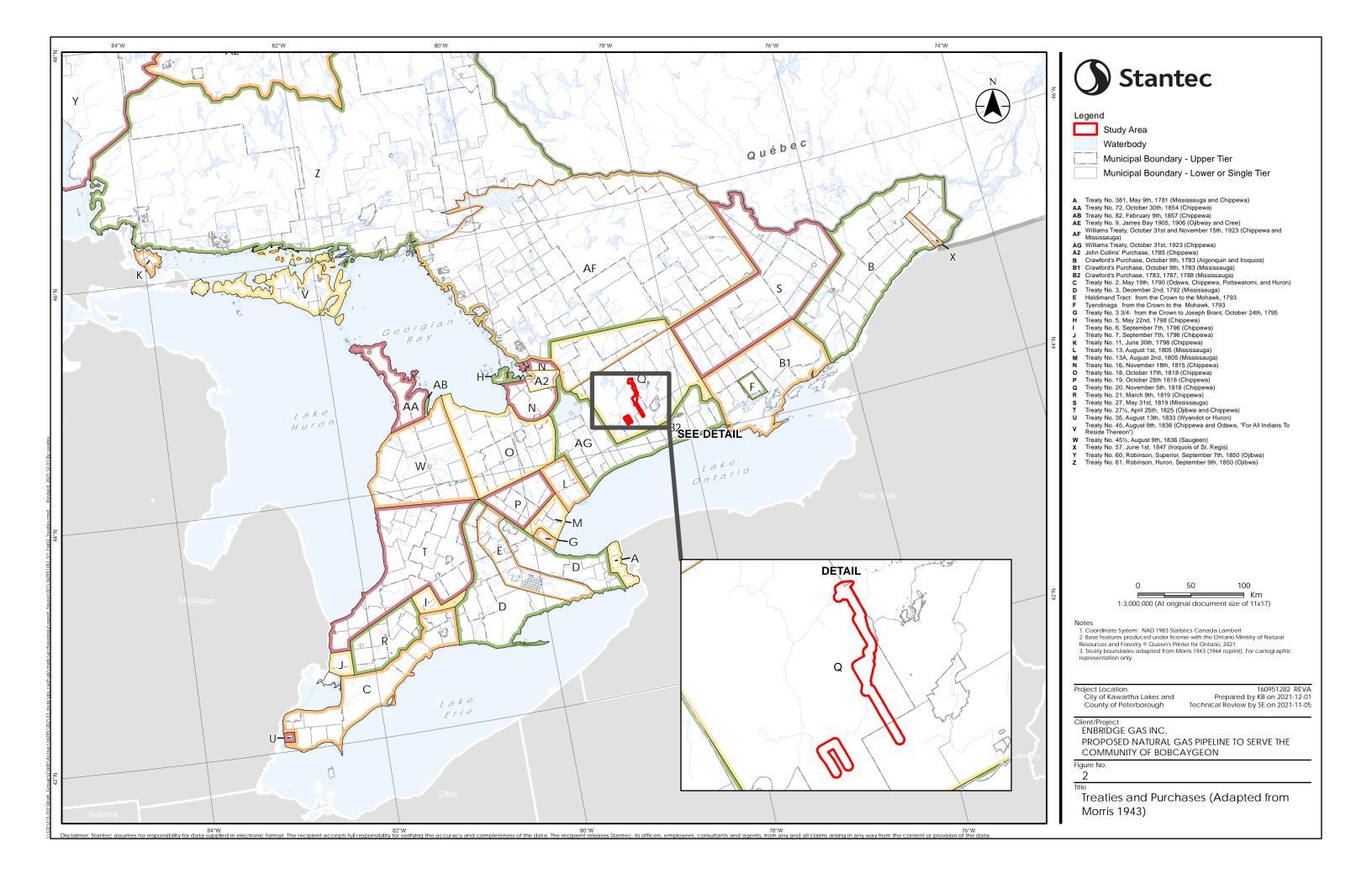
















Study Area

Figure Not to Scale

Notes
1. Source: Kains, T., 1877. Map of the County of Victoria, Province of Ontario. Library and Archives Canada, National Map Collection, H2/420/Victoria/1877



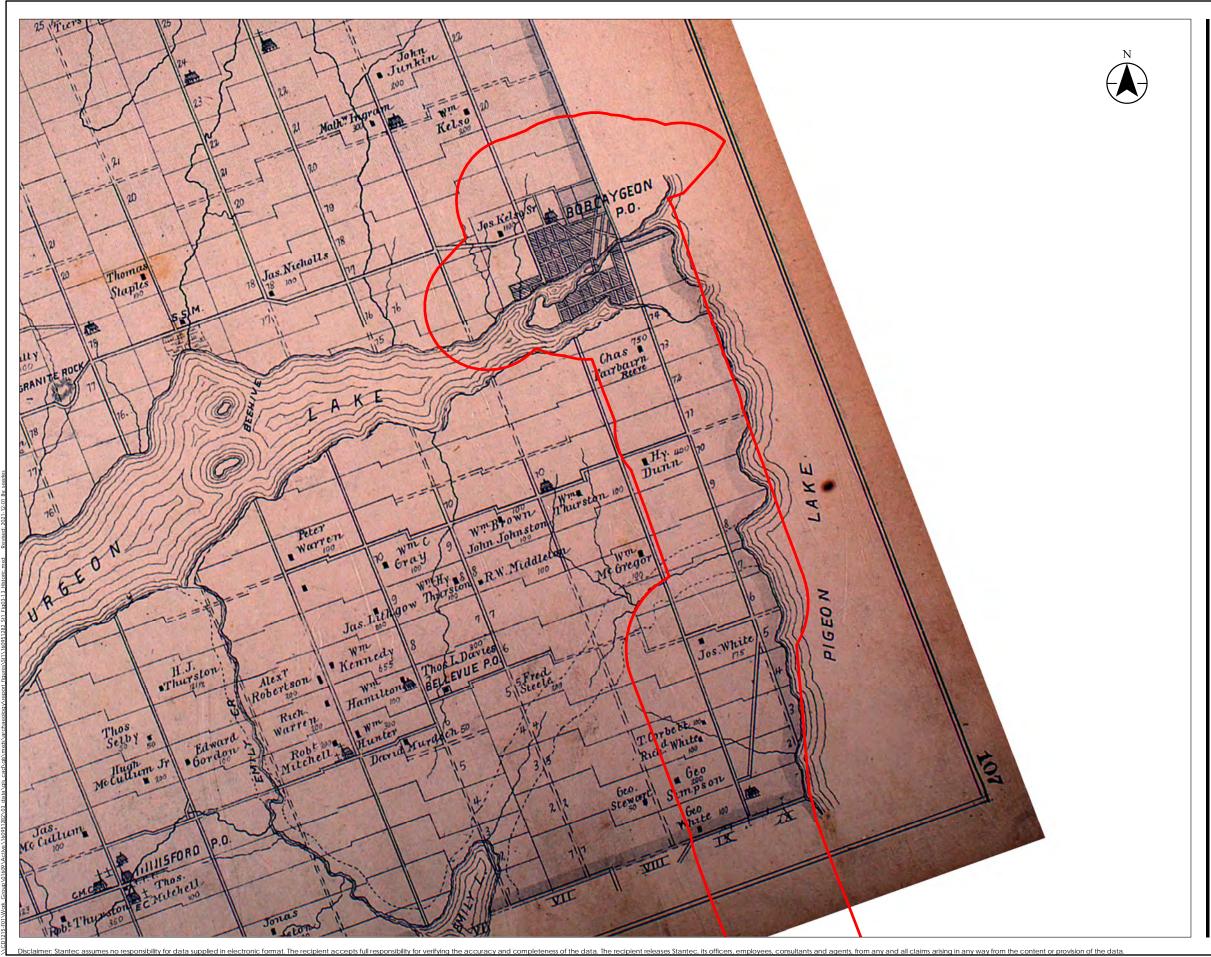
Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1877 Map of Verulam Township





Study Area

Figure Not to Scale

Notes: Belden, H., 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1881 Map of Verulam Township





Study Area

Figure Not to Scale

Notes
1. Source: Kains, T., 1877. Map of the County of Victoria, Province of Ontario. Library and Archives Canada, National Map Collection, H2/420/Victoria/1877.



Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE
THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1877 Map of Emily Township





Study Area

Figure Not to Scale

Notes
1. Source: Belden, H.. 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



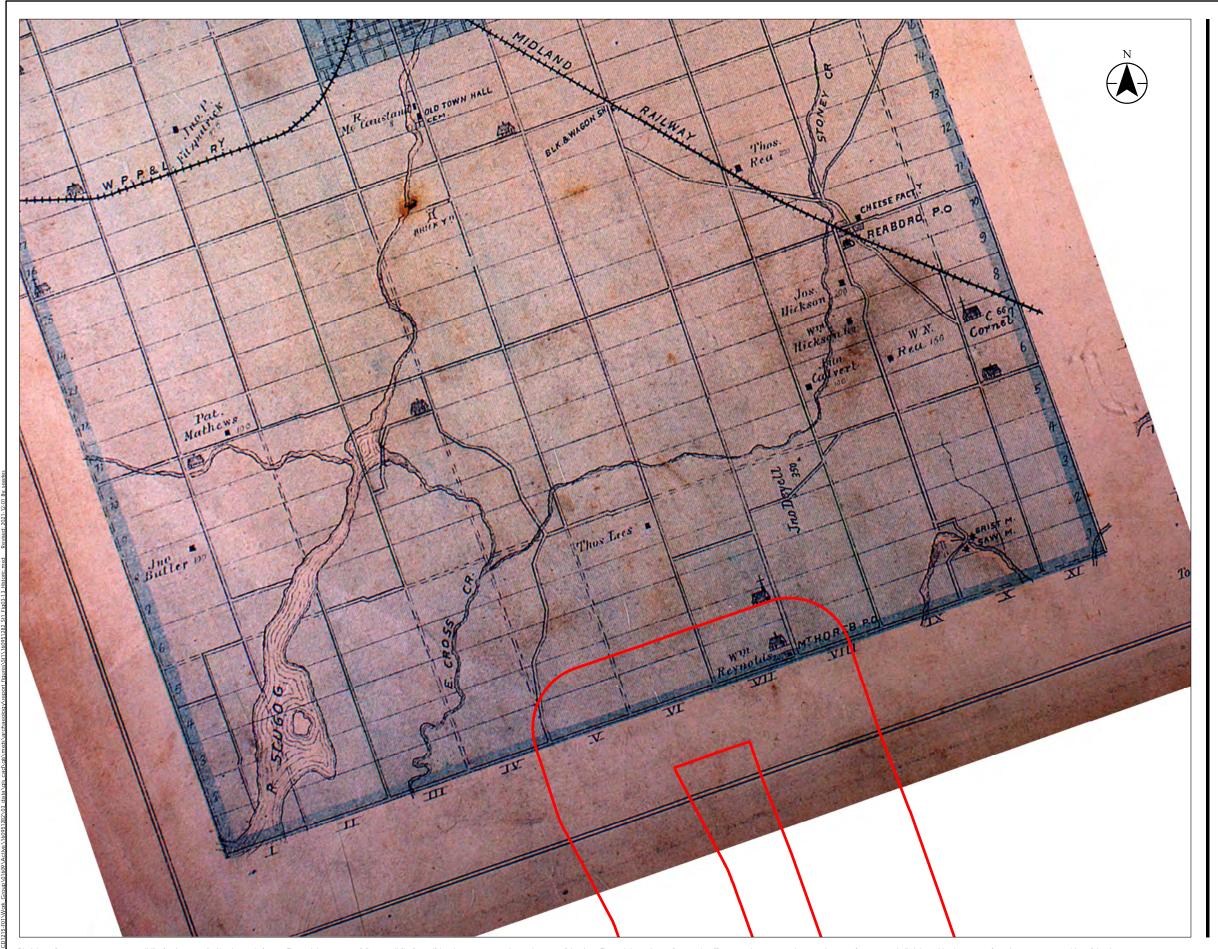
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Study Area as Shown Over 1881 Map of Emily Township





Study Area

Figure Not to Scale

Notes
1. Source: Belden, H.. 1881. Victoria Supplement in Illustrated atlas of the Dominion of Canada. Toronto: H. Belden & Co.



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Project Location City of Kawartha Lakes and County of Peterborough

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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1881 Map of Ops Township





Study Area

Figure Not to Scale

Notes
1. Source: Clementi, Theodore. 1865. Harvey (No.28). Map on file with the Ministry of Natural Resources and Forestry, Peterborough.



Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

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PROPOSED NATURAL GAS PIPELINE TO SERVE
THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1865 Survey of Harvey Township





Study Area

Figure Not to Scale

Notes
1. Source: Miles and Co. 1879. County of Peterborough. Toronto: Miles & Co.



Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Study Area as Shown Over 1879 Map of Harvey Township





Study Area

Figure Not to Scale

Notes
1. Source: Tremaine, Geo. C. 1861. Tremaine's Map of the County of Durham, Upper Canada. Toronto: Geo. C. Tremaine.



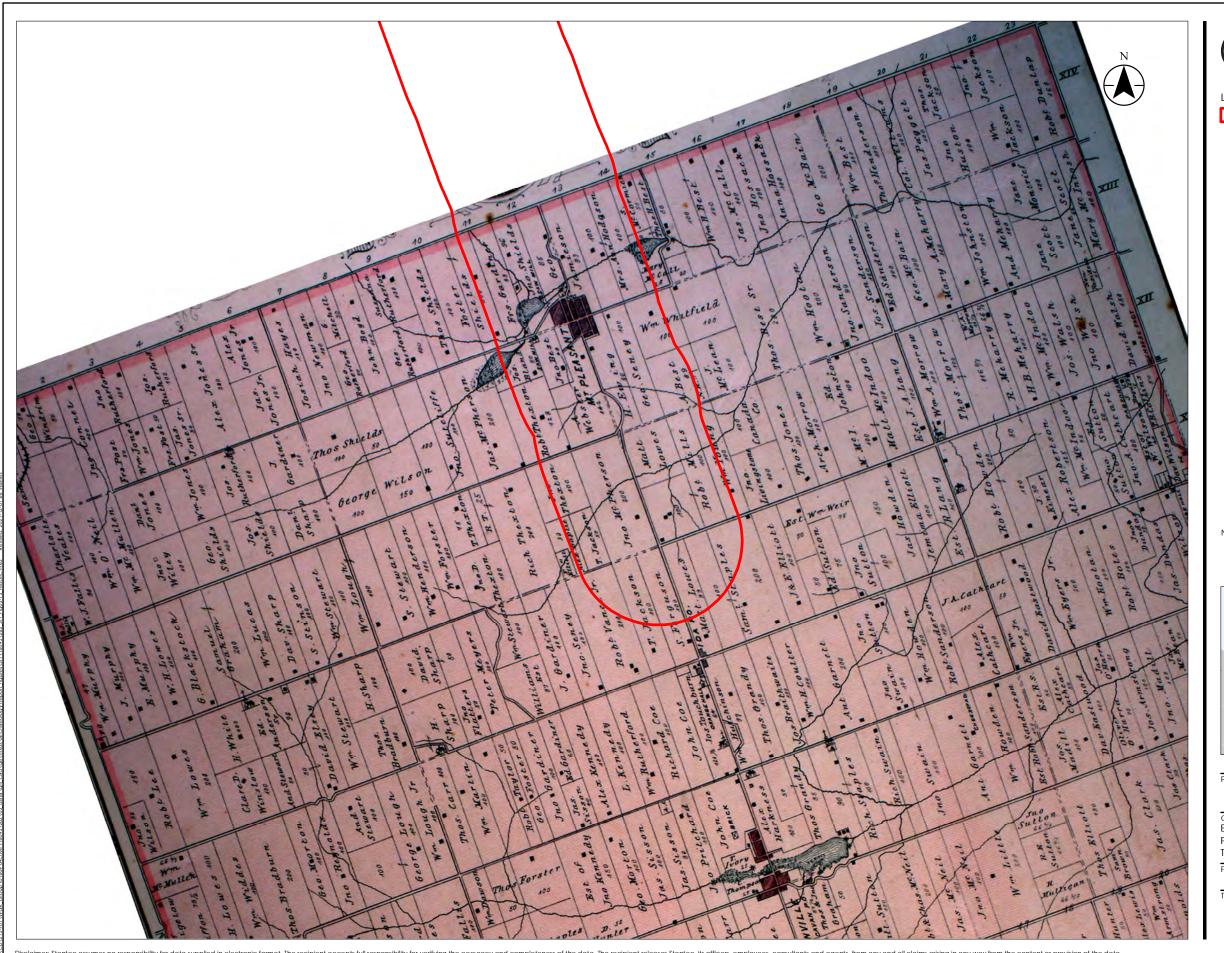
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Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE
THE COMMUNITY OF BOBCAYGEON

10

Study Area as Shown over 1861 Map of Cavan Township





Study Area

Figure Not to Scale

Notes
1. Source: Beldon & Co. 1878. Illustrated Historical Atlas of the Counties of Northumberland and Durham. Toronto: Union Publishing Company.



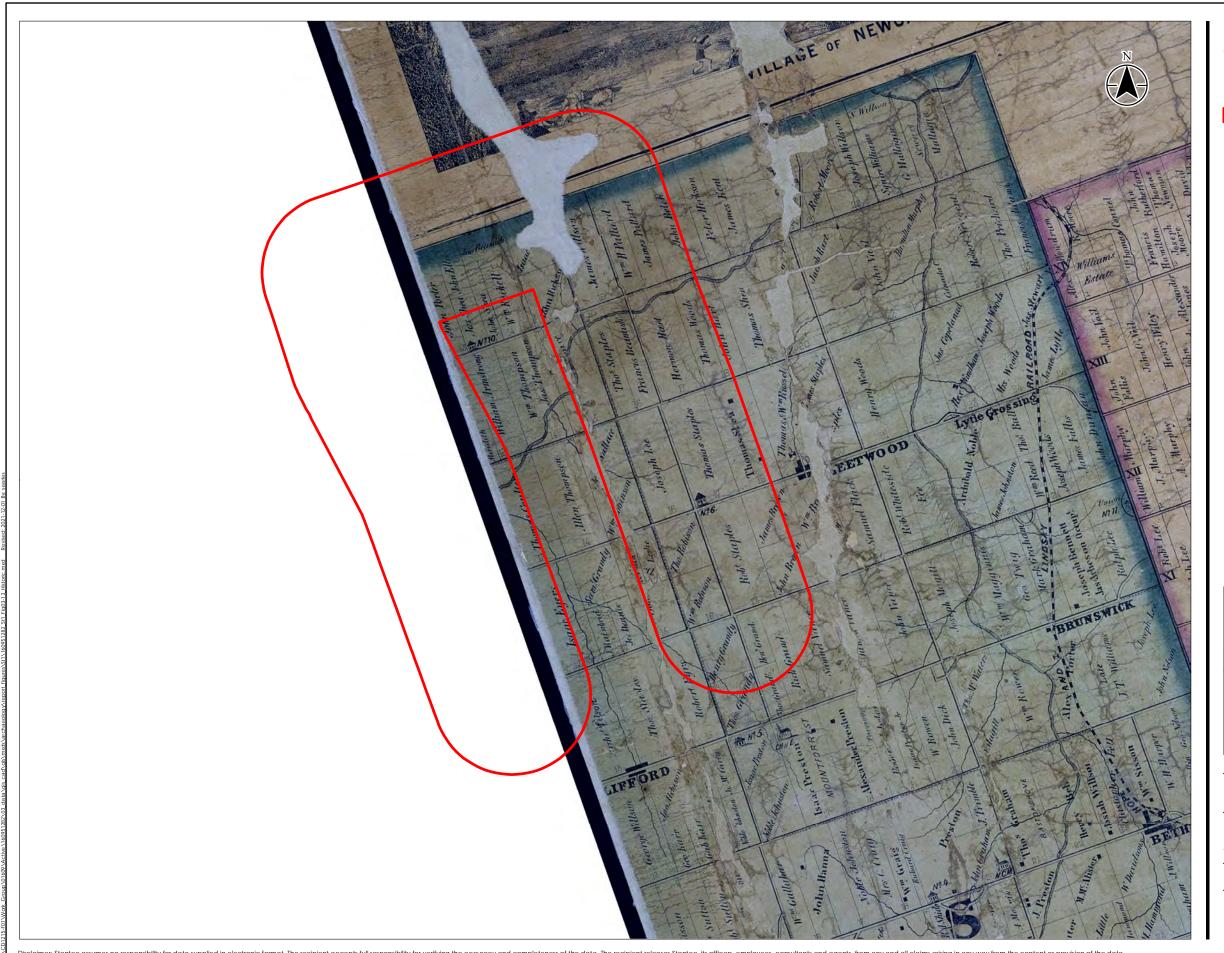
Project Location
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Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE
THE COMMUNITY OF BOBCAYGEON

11

Study Area as Shown Over 1878 Map of Cavan Townshi





Study Area

Figure Not to Scale

Notes
1. Source: Belden & Co. 1878. Illustrated Historical Atlas of the Counties of Northumberland and Durham. Toronto: Union Publishing Company.



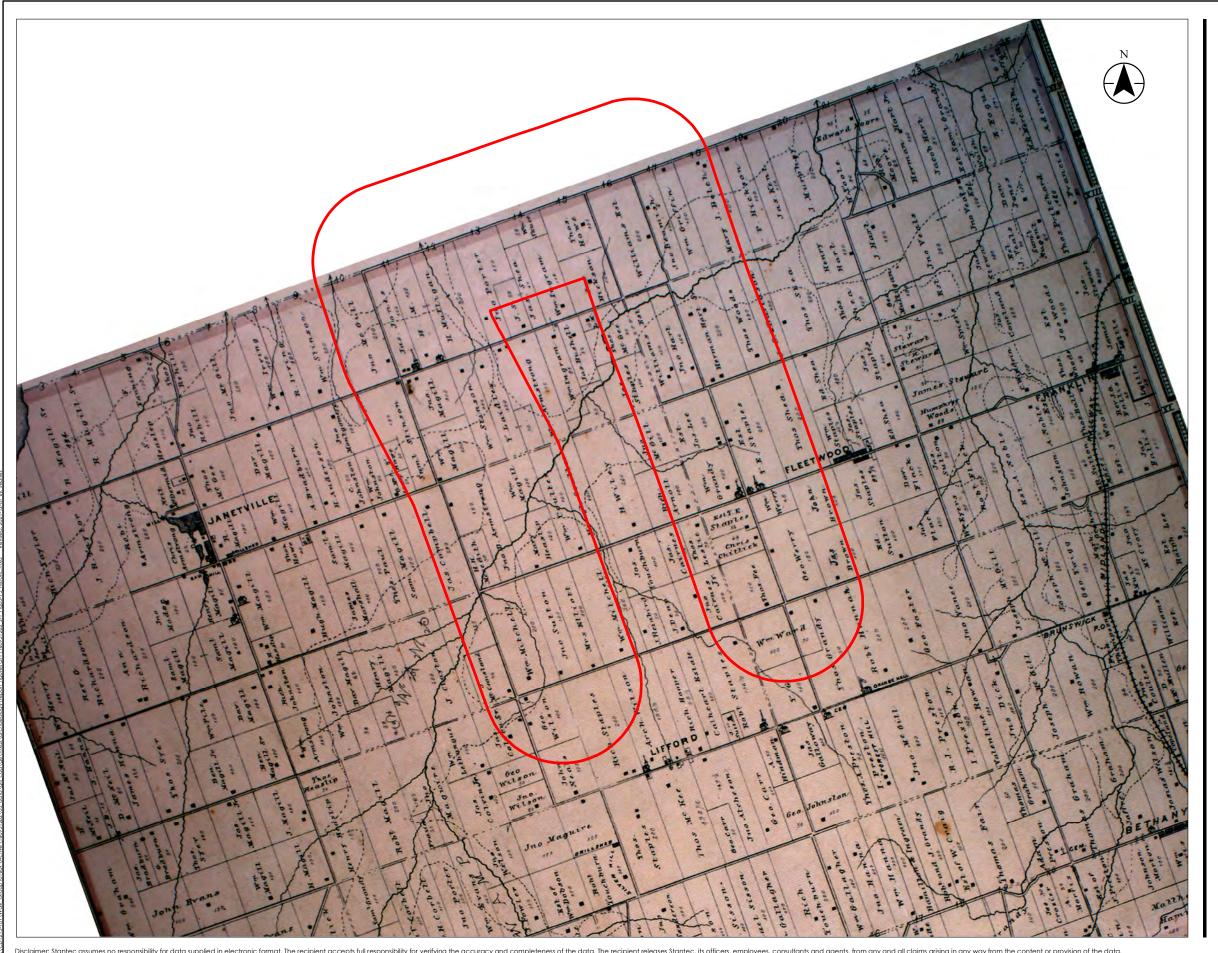
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Client/Project ENBRIDGE GAS INC. PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

12

Study Area as Shown over 1861 Map of Manvers Township





Study Area

Figure Not to Scale

Notes
1. Source: Tremaine, Geo. C. 1861. Tremaine's Map of the County of Durham, Upper Canada. Toronto: Geo. C. Tremaine.



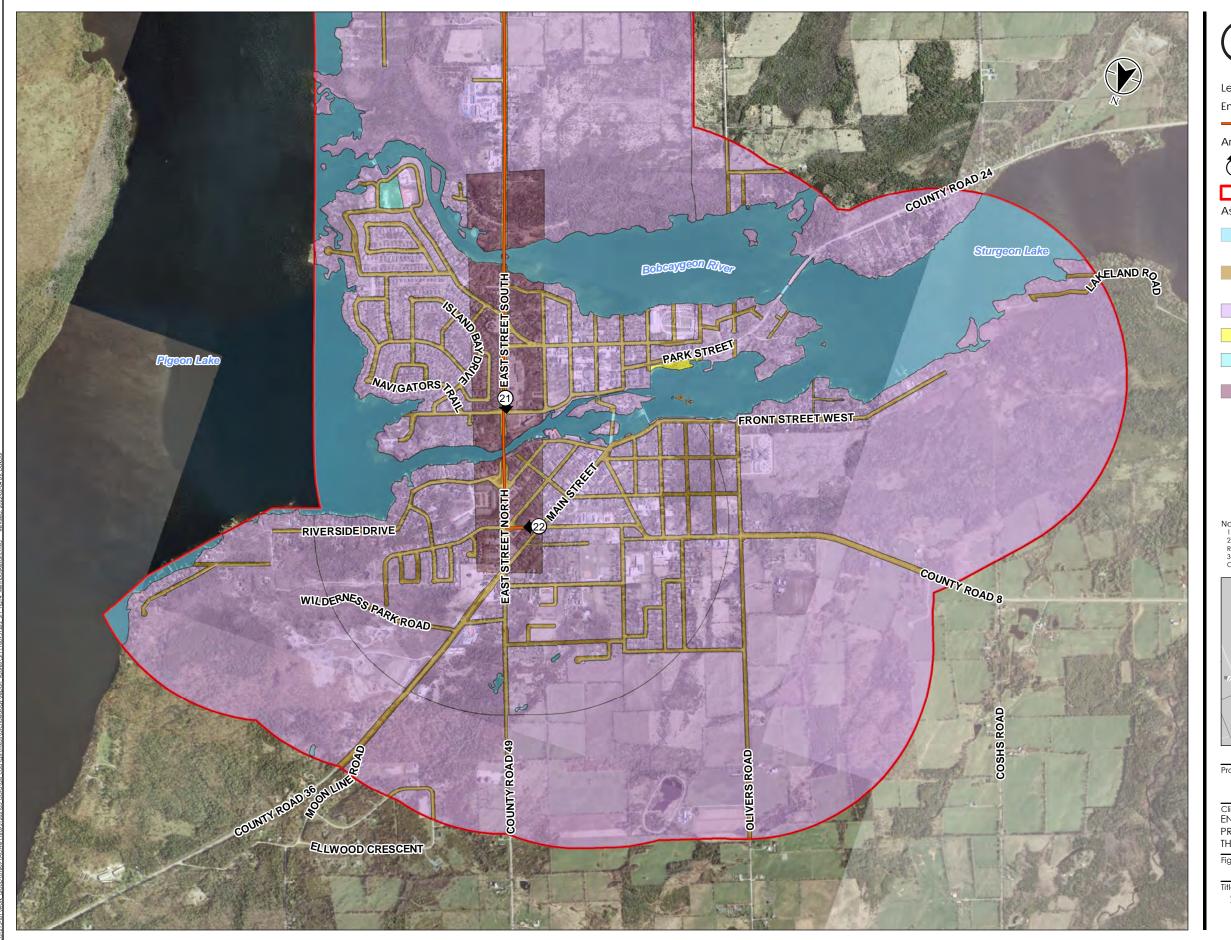
Project Location City of Kawartha Lakes and County of Peterborough

Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project
ENBRIDGE GAS INC.
PROPOSED NATURAL GAS PIPELINE TO SERVE
THE COMMUNITY OF BOBCAYGEON

13

Study Area as Shown Over 1878 Map of Manvers Township





Enbridge Gas Features

Preferred Route for Supply Lateral

Archaeology Features



Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Possible Burying Ground

Previously Assessed, ASI 2016 - No Further

Assessment Recommended

Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

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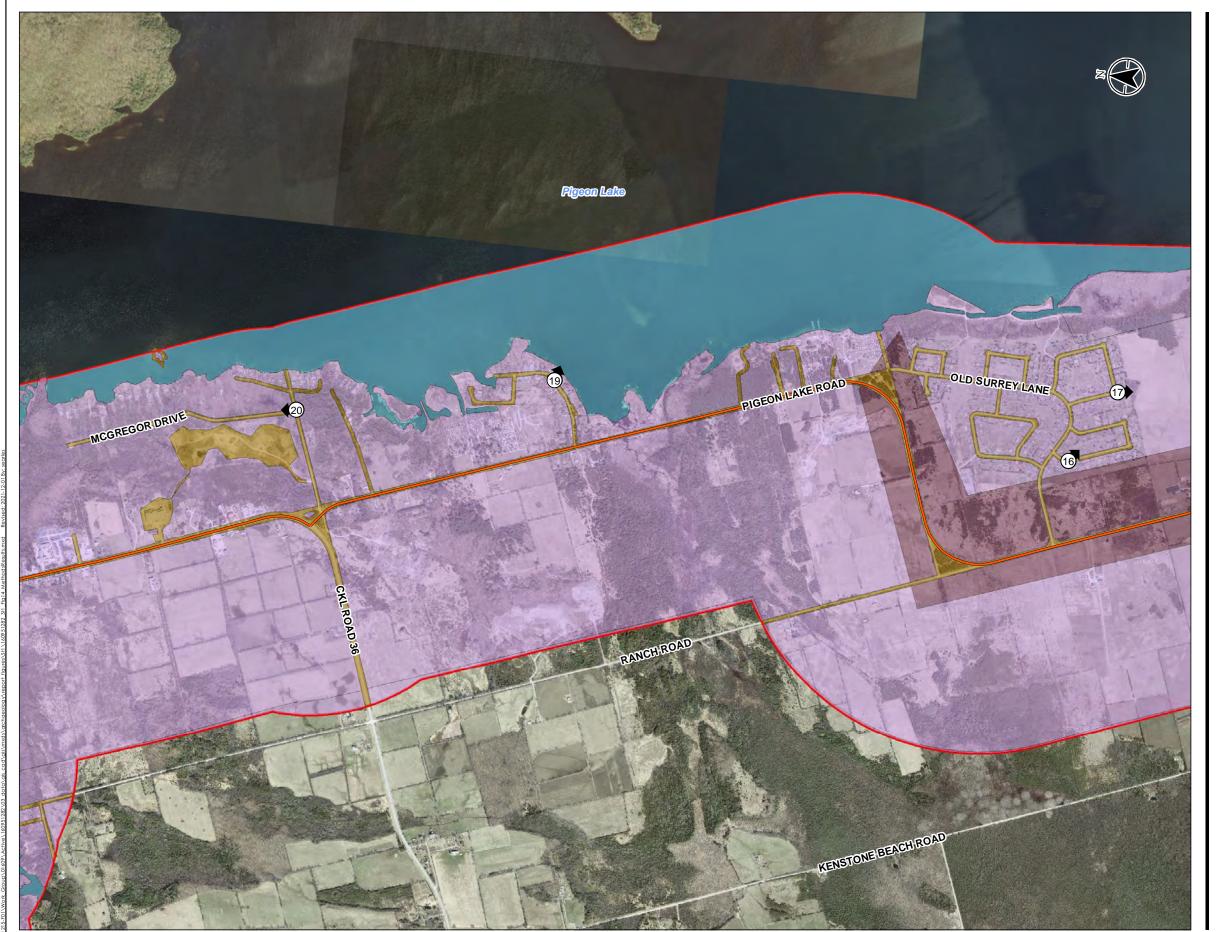
Project Location
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Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-1





Enbridge Gas Features

Preferred Route for Supply Lateral

Archaeology Features

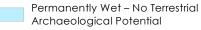


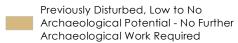
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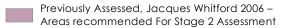
Study Area

Assessment Method











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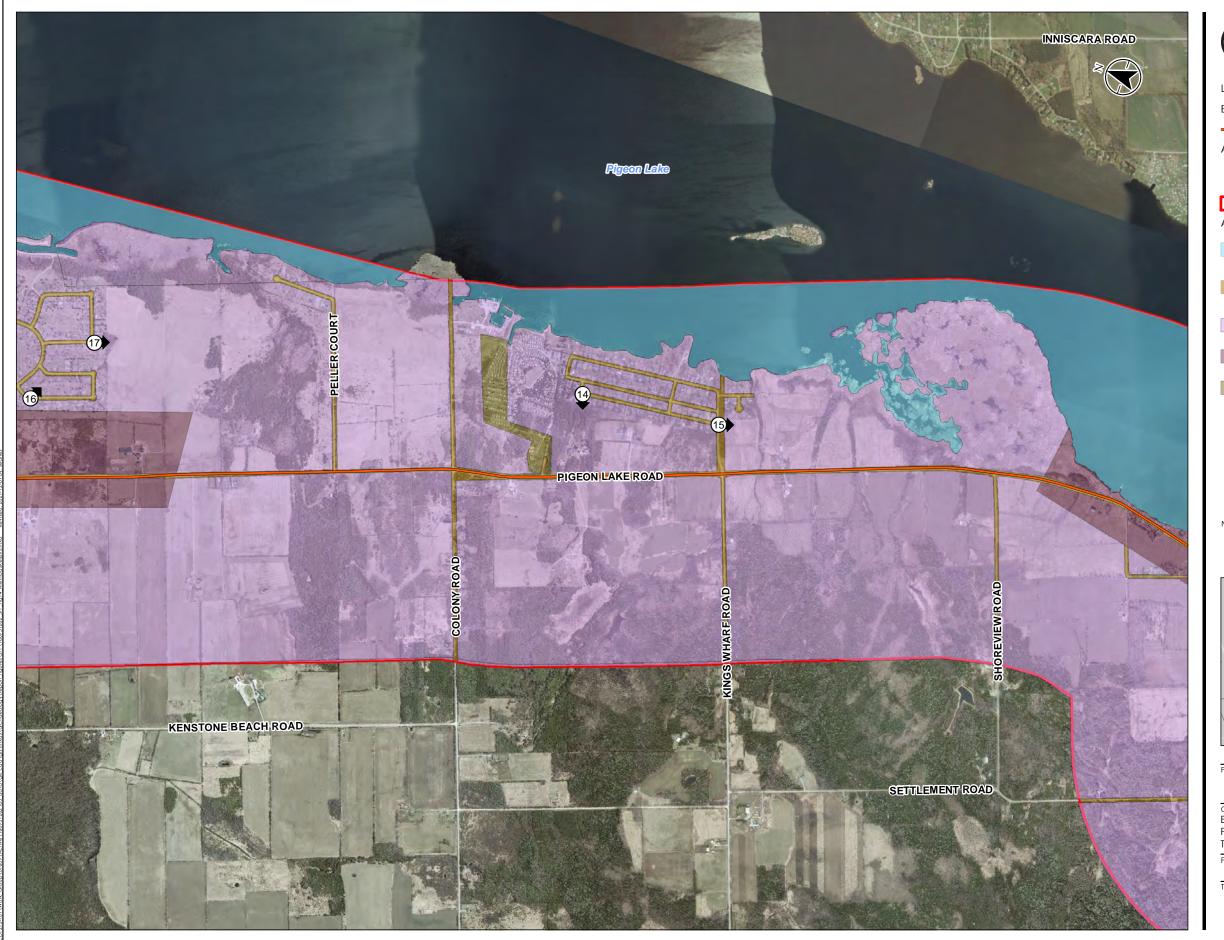
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Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-2





Enbridge Gas Features

Preferred Route for Supply Lateral

Archaeology Features



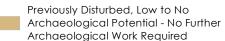
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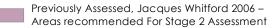
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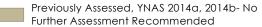
Assessment Method













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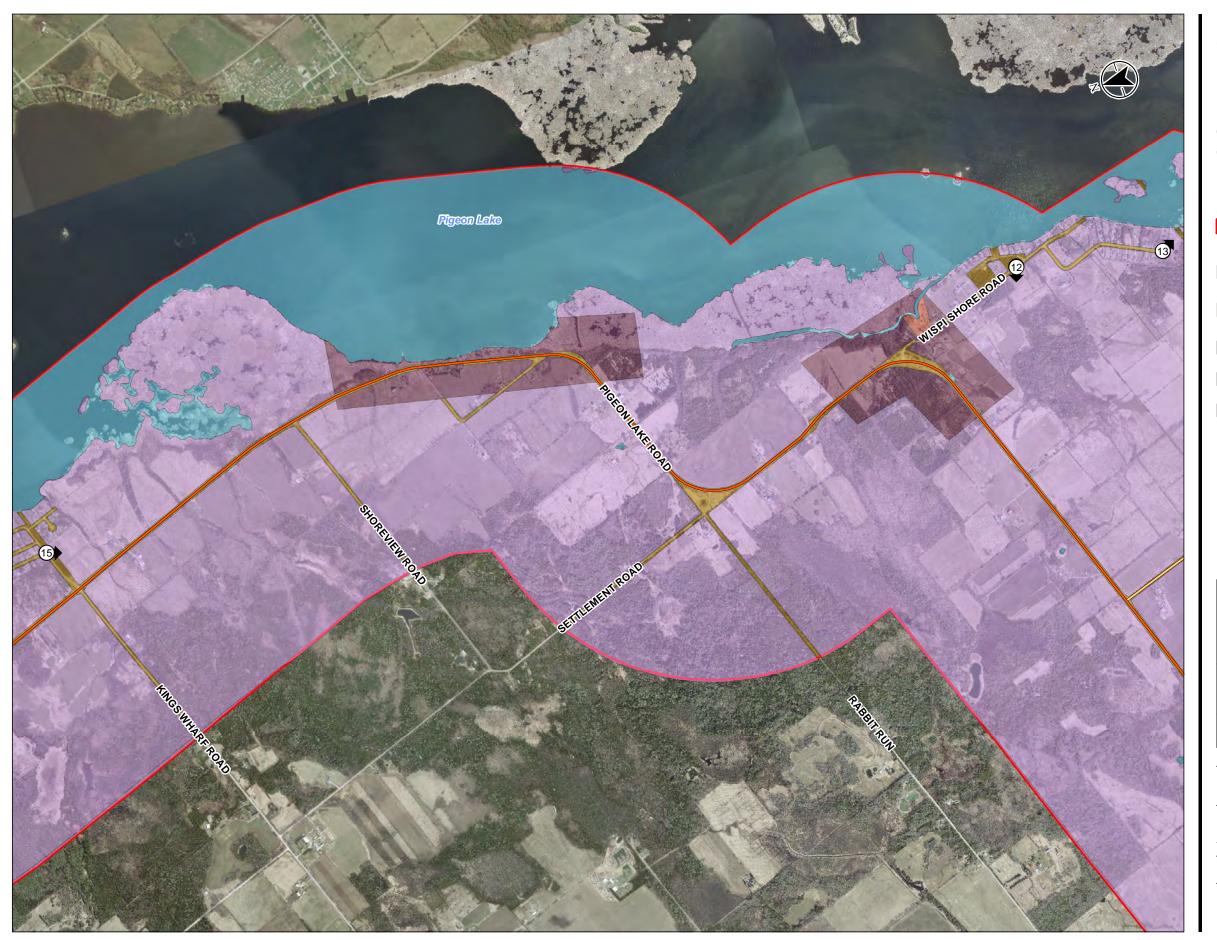
Project Location City of Kawartha Lakes and County of Peterborough

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Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-3





Enbridge Gas Features

Preferred Route for Supply Lateral

Alternative Route for Supply Lateral

Archaeology Features

Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

Previously Assessed, YNAS 2012 - No Further Assessment Recommended

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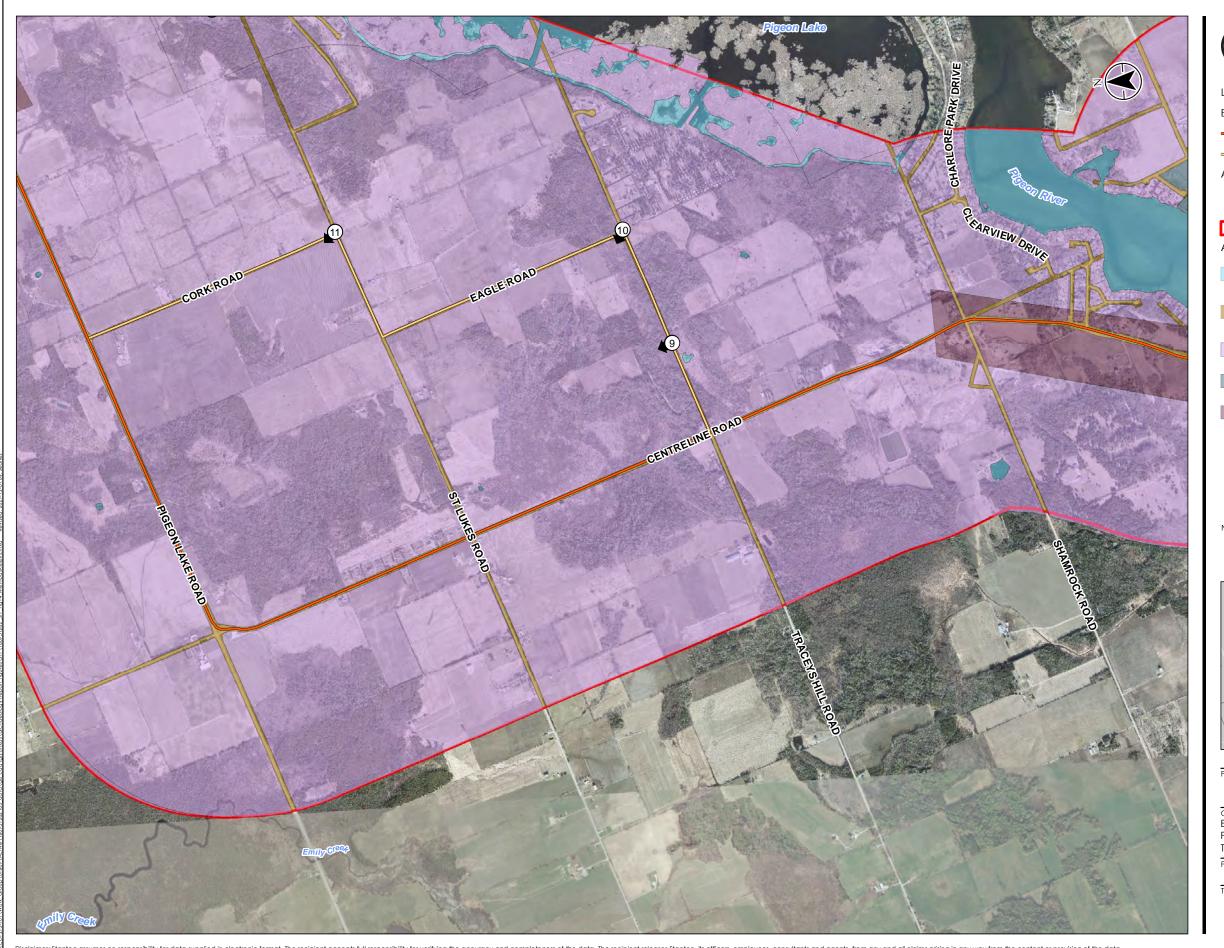
Project Location City of Kawartha Lakes and County of Peterborough

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Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-4





Enbridge Gas Features

Preferred Route for Supply Lateral

_____ Alternative Route for Supply Lateral

Archaeology Features

Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No

Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Previously Assessed, EASI 2018 - No Further Assessment Recommended

Previously Assessed, Jacques Whitford 2006 – Areas recommended For Stage 2 Assessment

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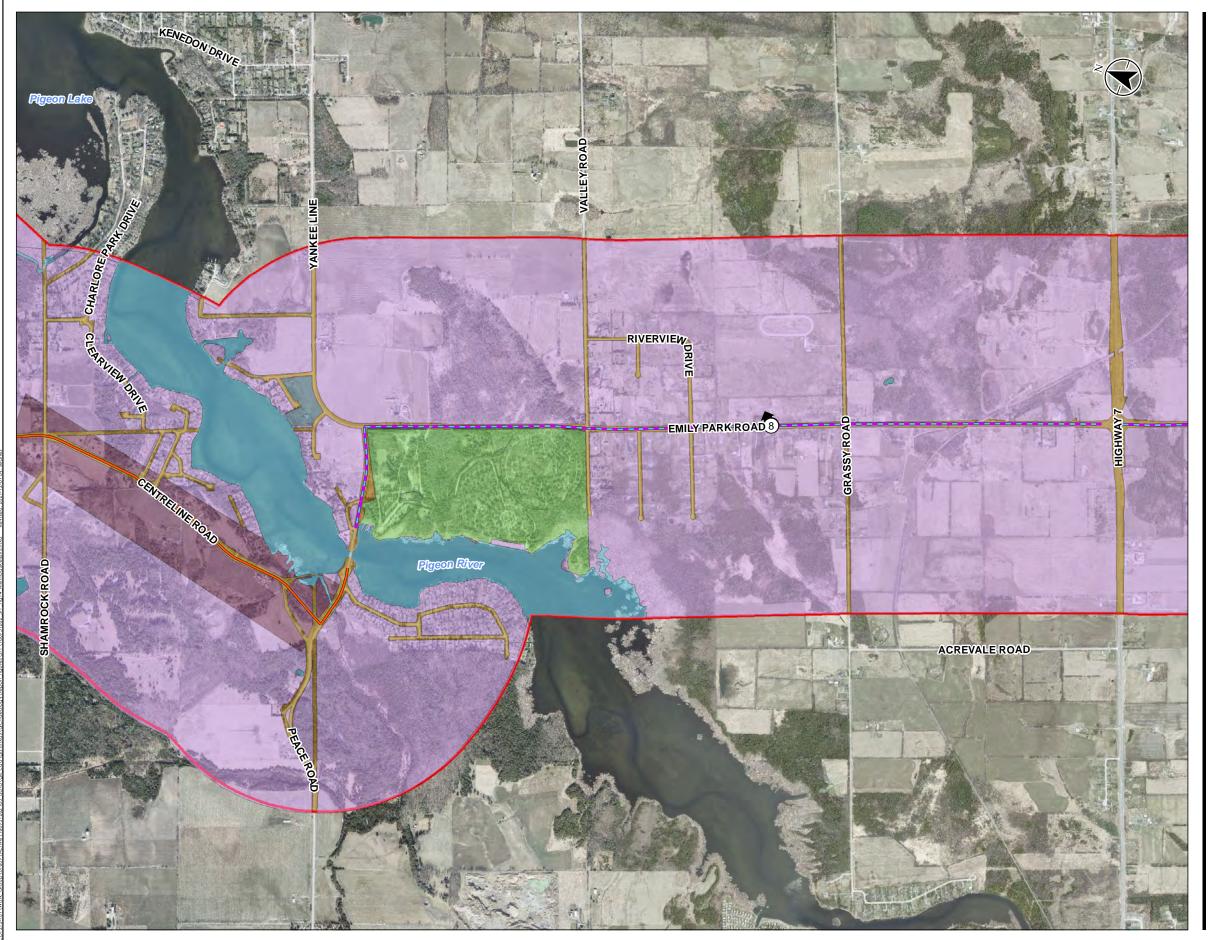
Project Location City of Kawartha Lakes and County of Peterborough

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Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-5





Enbridge Gas Features

Preferred Route for Supply Lateral

Preferred Route for Eastern Reinforcement

Alternative Route for Reinforcement

Archaeology Features

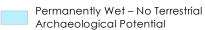


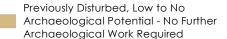
Archaeology Photo Log



Study Area

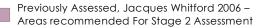
Assessment Method











Previously Assessed, YNAS 2015 - Stage 2 Assessment Recommended

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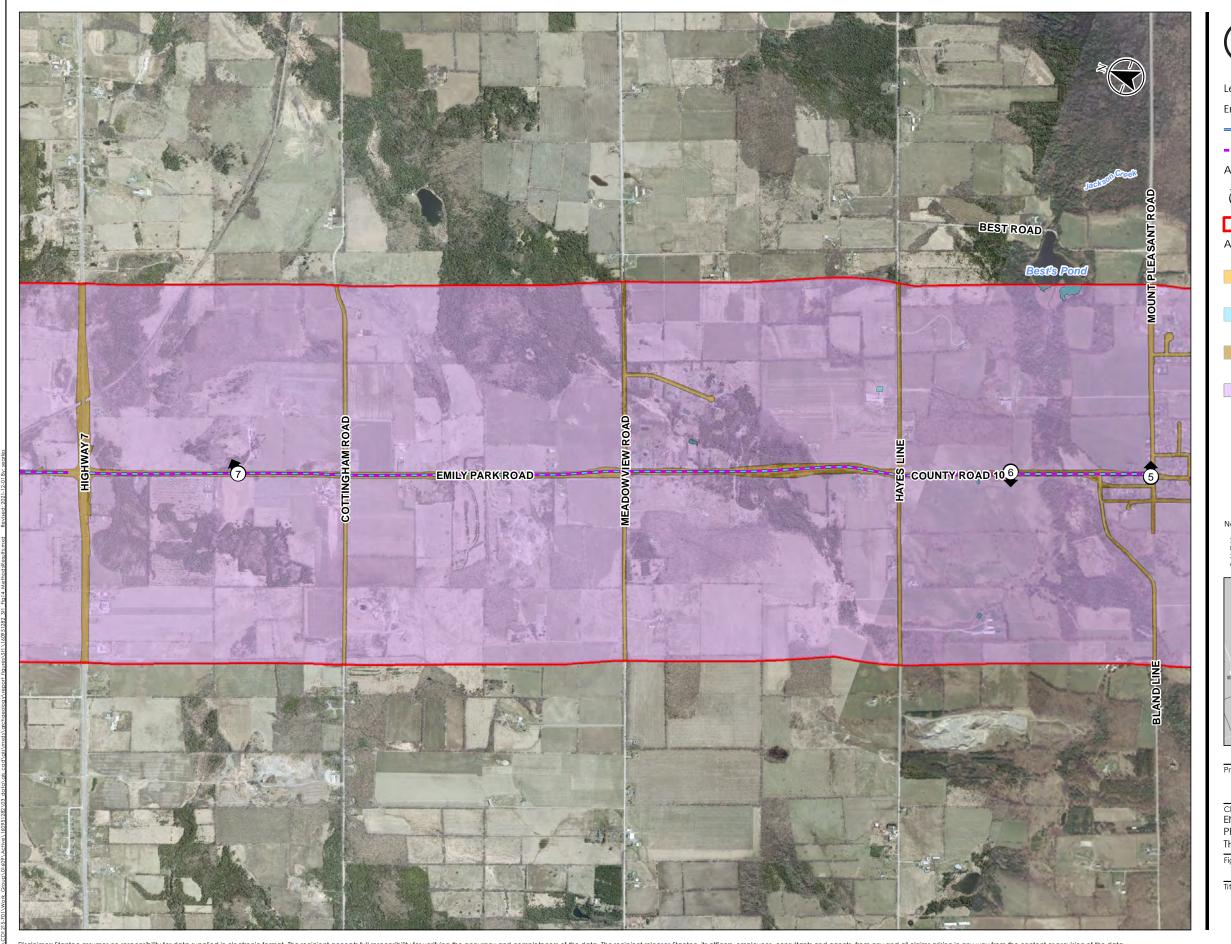
Project Location City of Kawartha Lakes and County of Peterborough

160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-6





Enbridge Gas Features

Preferred Route for Eastern Reinforcement

- - - Alternative Route for Reinforcement

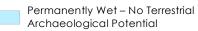
Archaeology Features

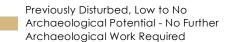
Archaeology Photo Log

Study Area

Assessment Method

Area of Steep Slope, Low to No Archaeological Potential - No Further Archaeological Work Required





Area of General Archaeological Potential -Stage 2 Recommended



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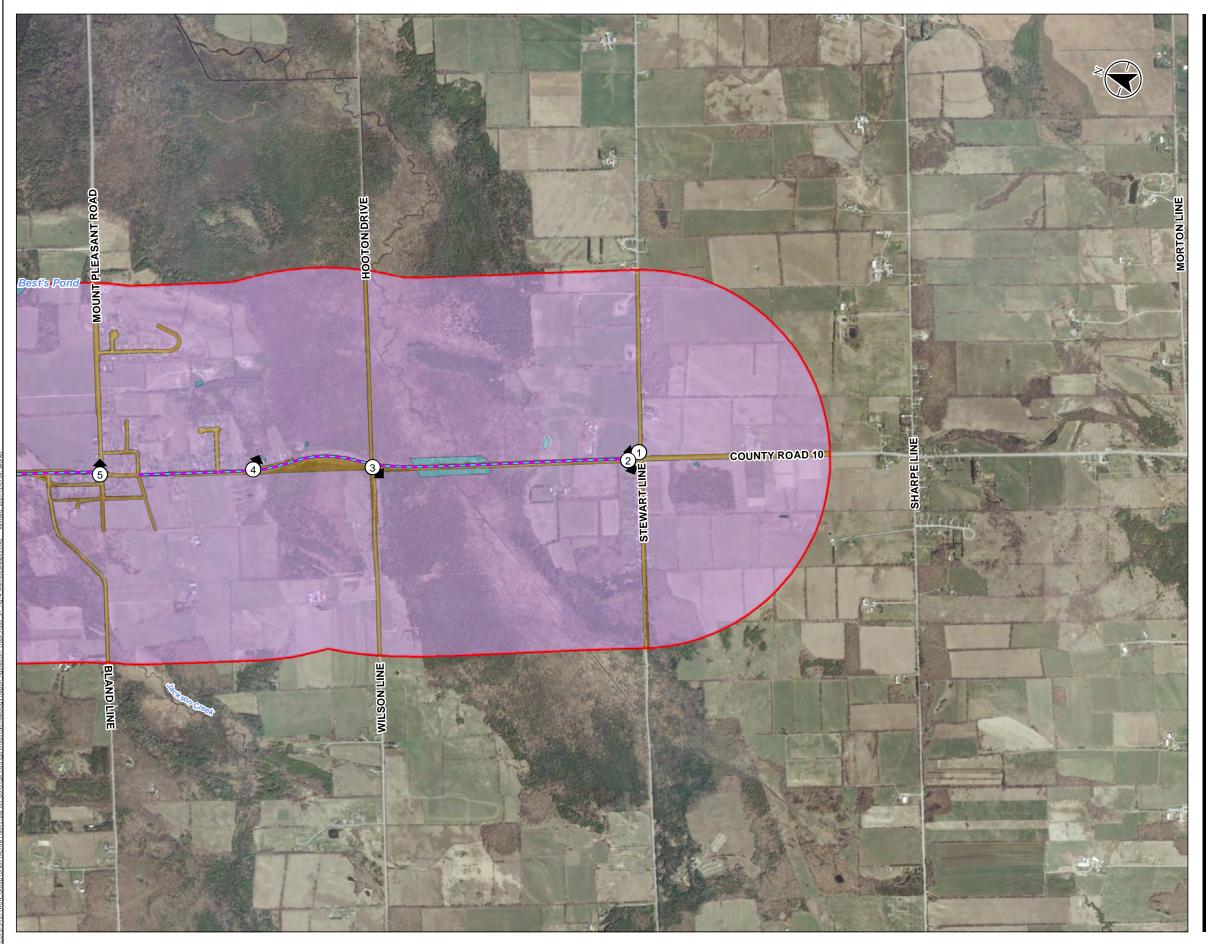
Project Location City of Kawartha Lakes and County of Peterborough

160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-7





Enbridge Gas Features

Preferred Route for Eastern Reinforcement

- - - Alternative Route for Reinforcement

Archaeology Features

Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

> 250 500 Metres 1:20,000 (At original document size of 11x17)

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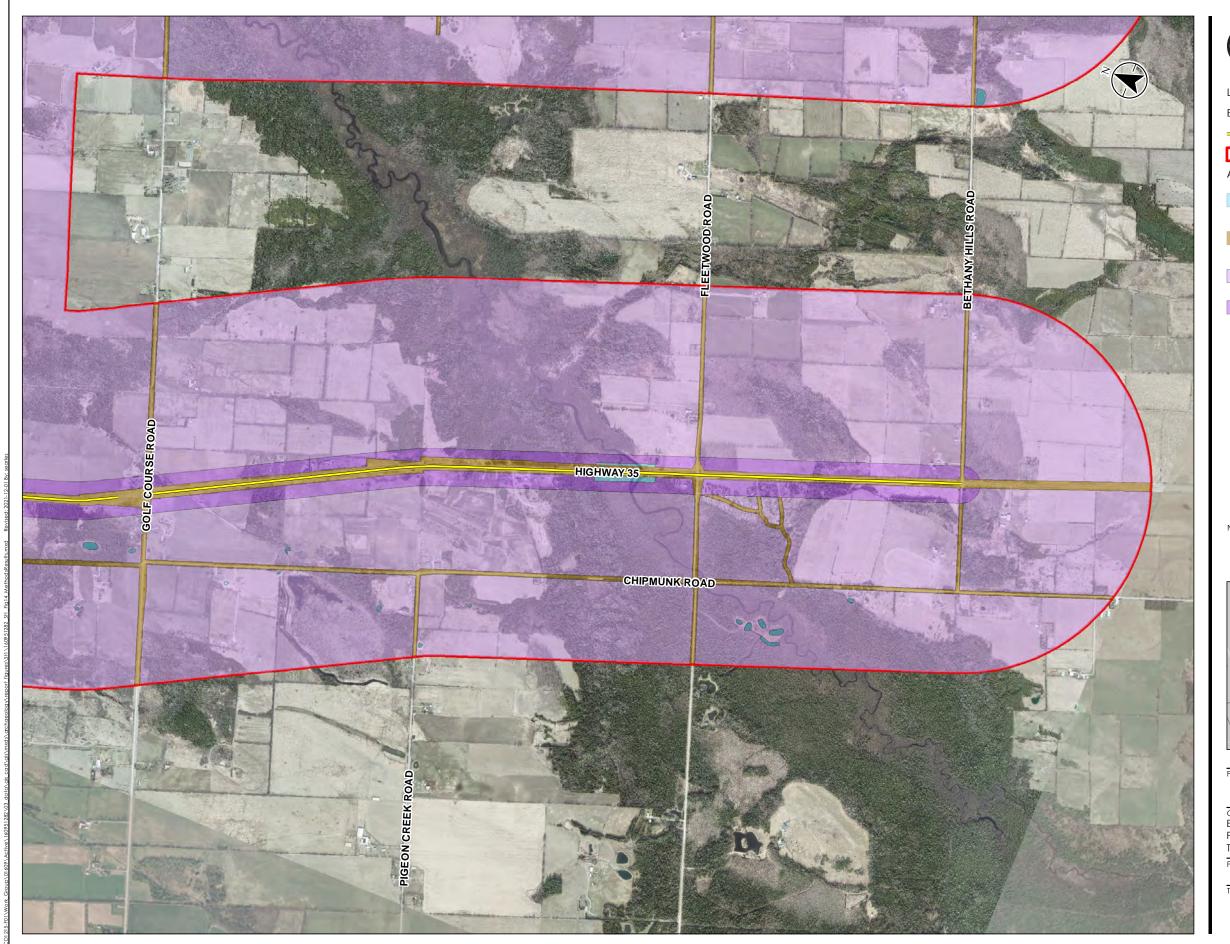


Project Location City of Kawartha Lakes and County of Peterborough

160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC. PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-8





Enbridge Gas Features

Preferred Route for Western Reinforcement

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

250 500 Metres 1:20,000 (At original document size of 11x17)

NOIes

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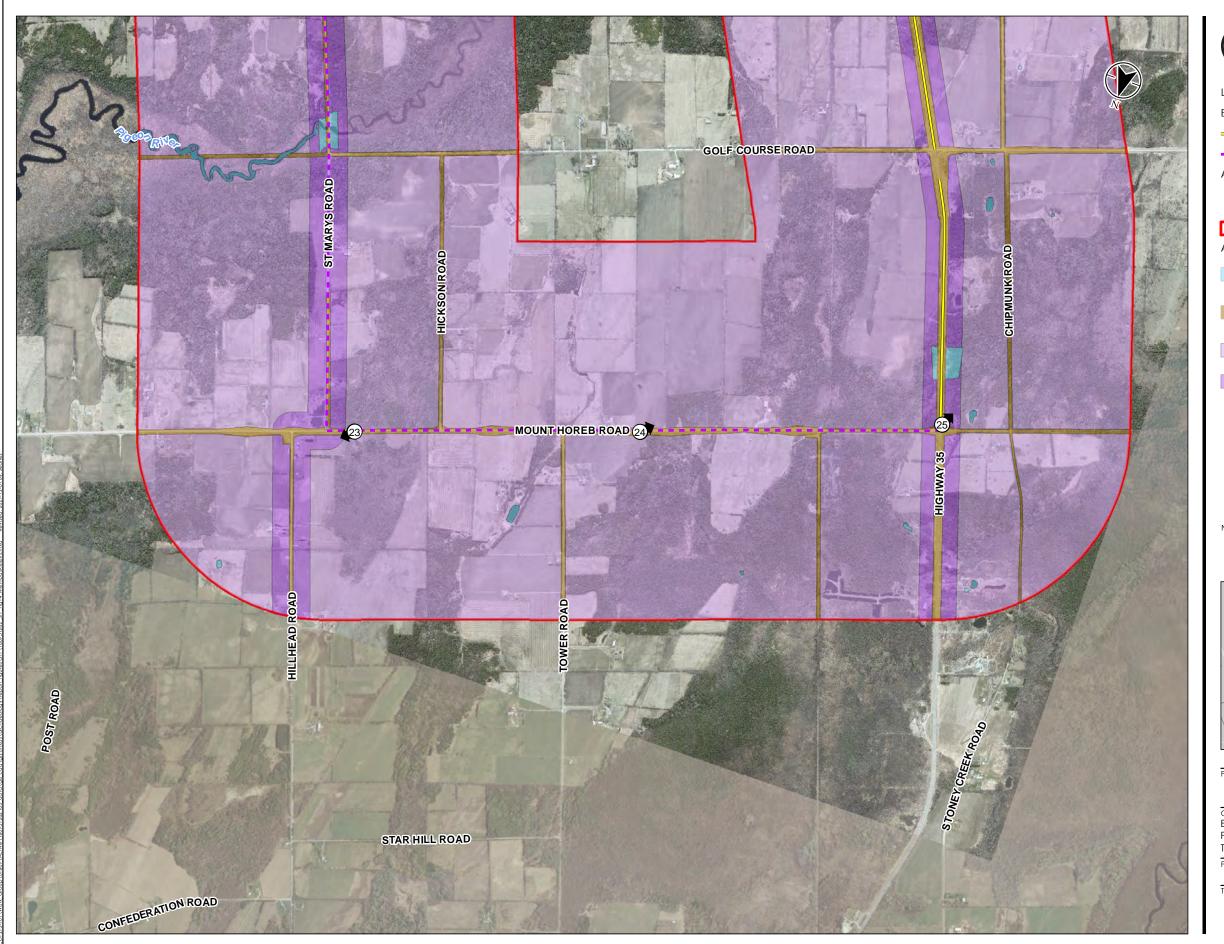
Project Location City of Kawartha Lakes and County of Peterborough

160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-9





Enbridge Gas Features

Preferred Route for Western Reinforcement

- - - Alternative Route for Reinforcement

Archaeology Features

Archaeology Photo Log

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No

Archaeological Potential - No Further Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

> 250 500 Metres 1:20,000 (At original document size of 11x17)

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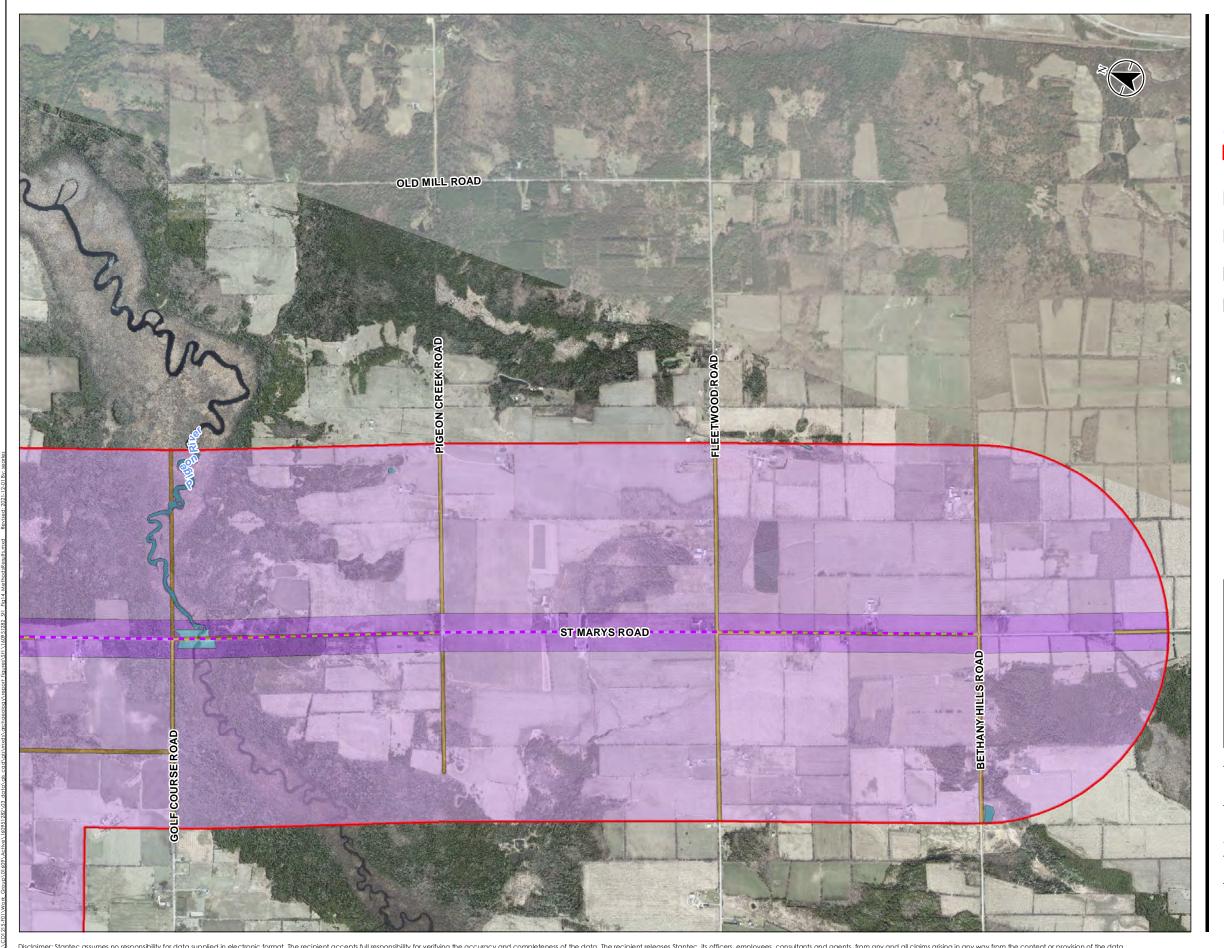
Project Location City of Kawartha Lakes and County of Peterborough

160951282 REVA Prepared by KB on 2021-12-01 Technical Review by SE on 2021-11-05

Client/Project ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

14-10





Enbridge Gas Features

- - Alternative Route for Reinforcement

Study Area

Assessment Method

Permanently Wet – No Terrestrial Archaeological Potential

Previously Disturbed, Low to No

Archaeological Potential - No Further
Archaeological Work Required

Area of General Archaeological Potential -Stage 2 Recommended

Previously Assessed, Stantec 2016 – Areas recommended For Stage 2 Assessment

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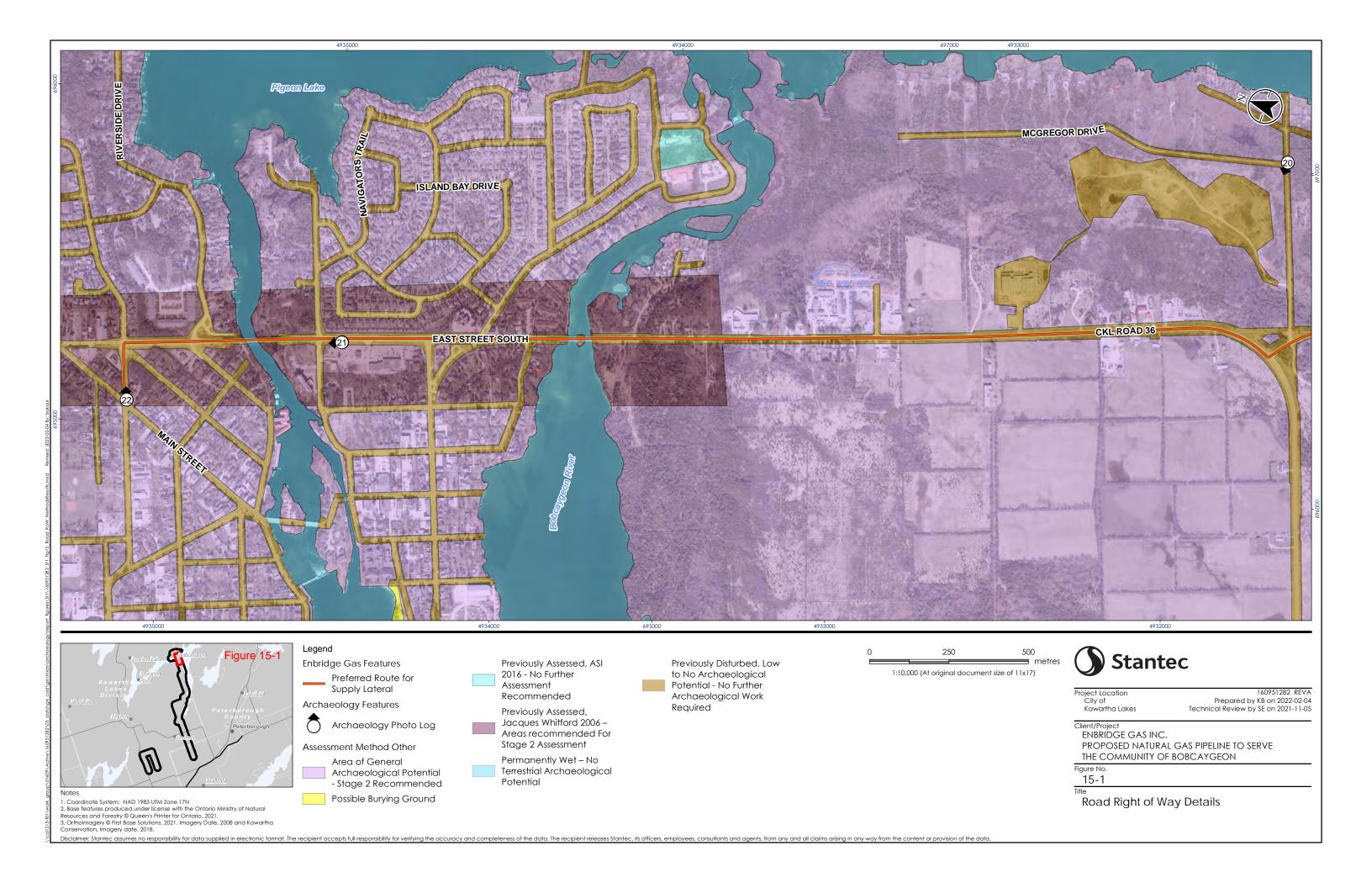
Project Location City of Kawartha Lakes and County of Peterborough

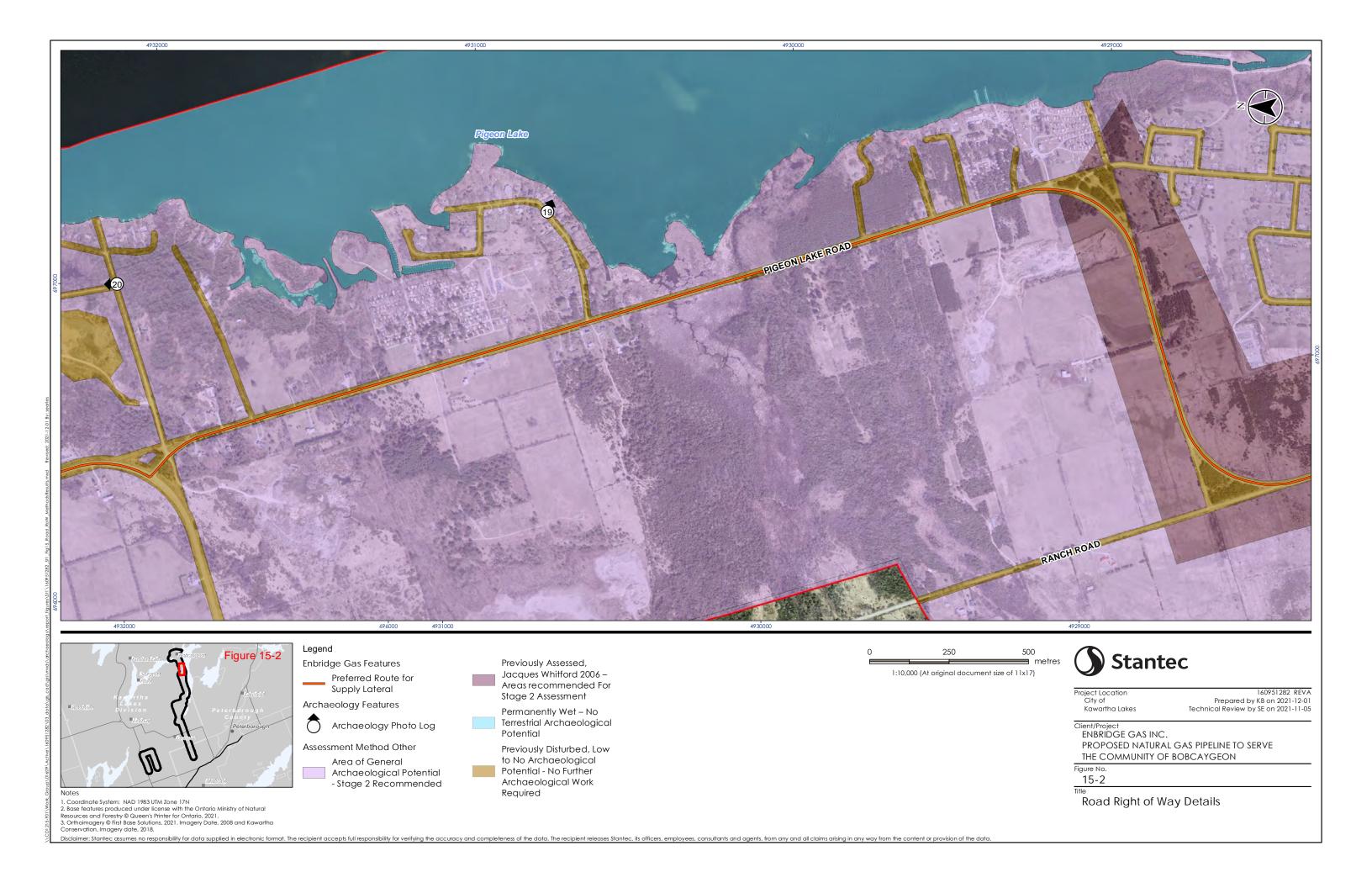
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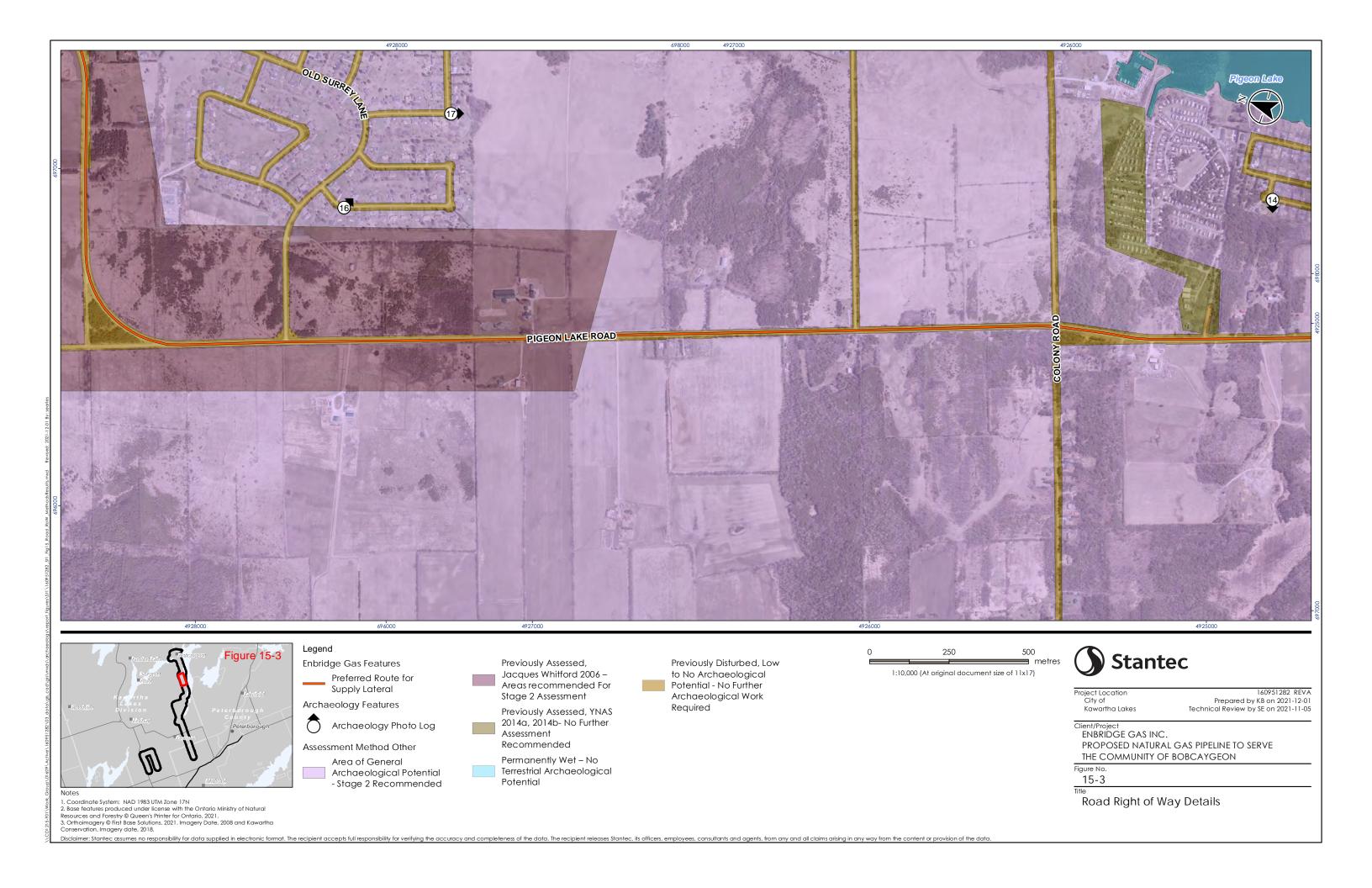
Client/Project ENBRIDGE GAS INC.

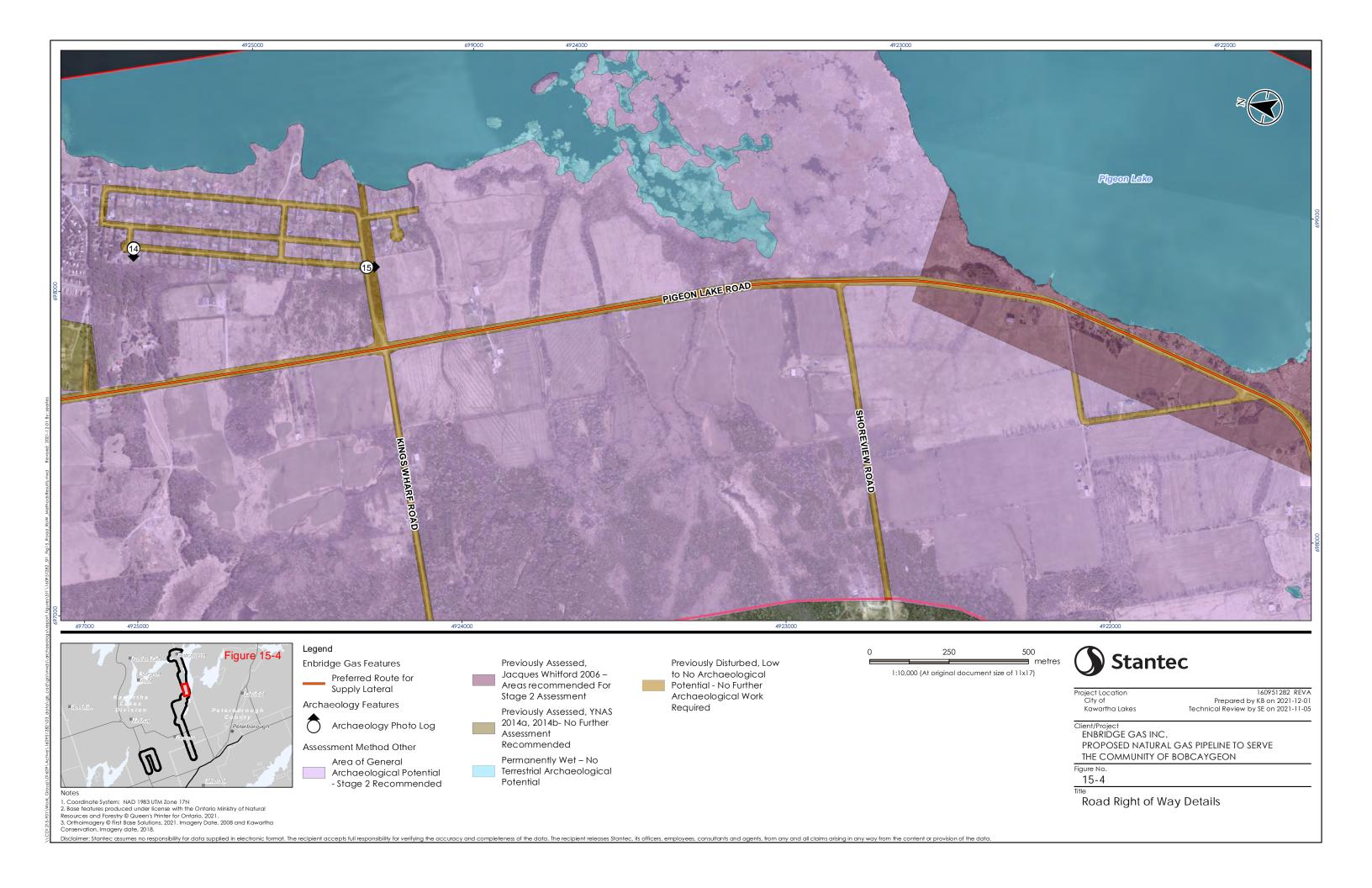
PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

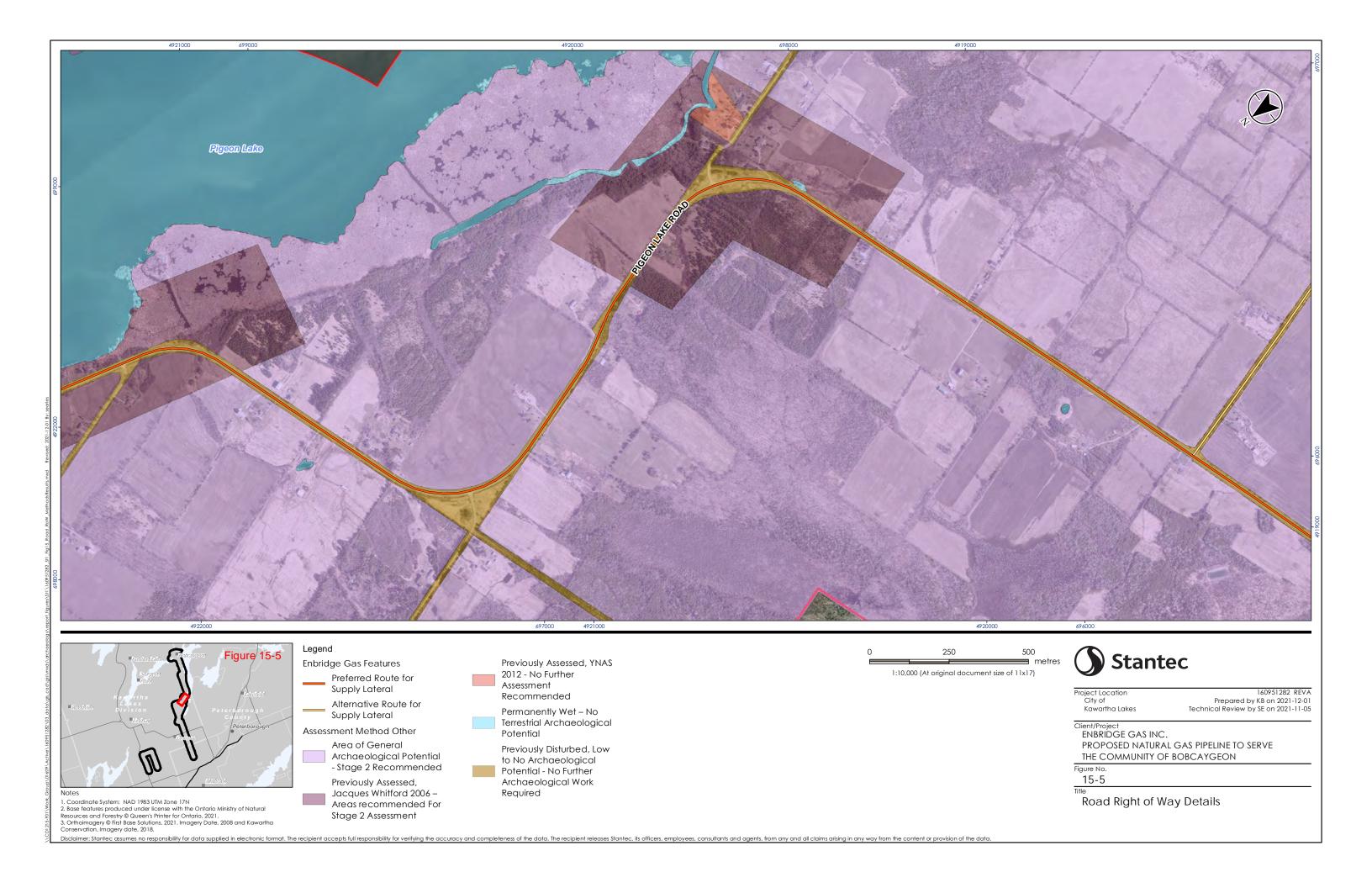
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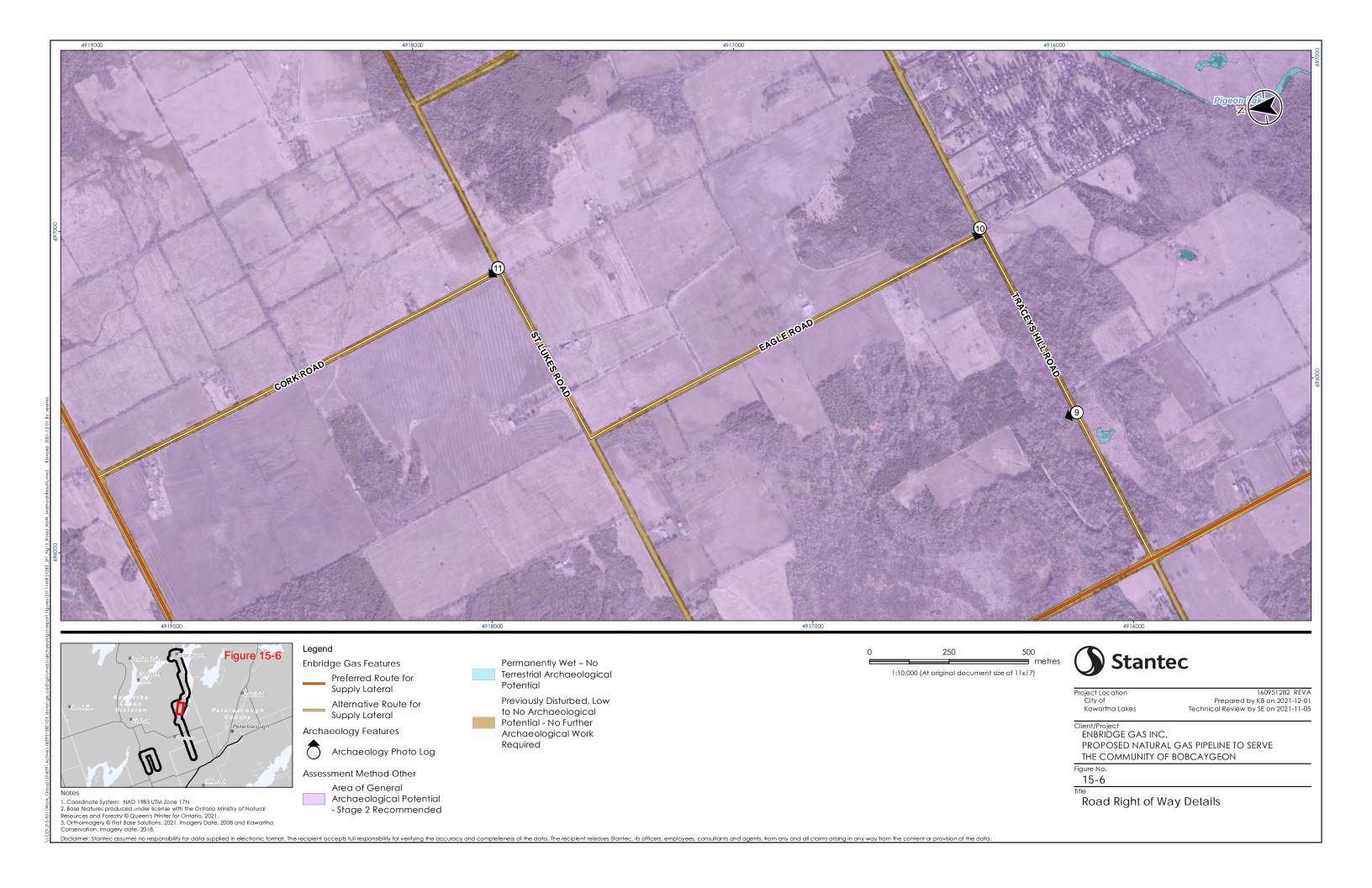


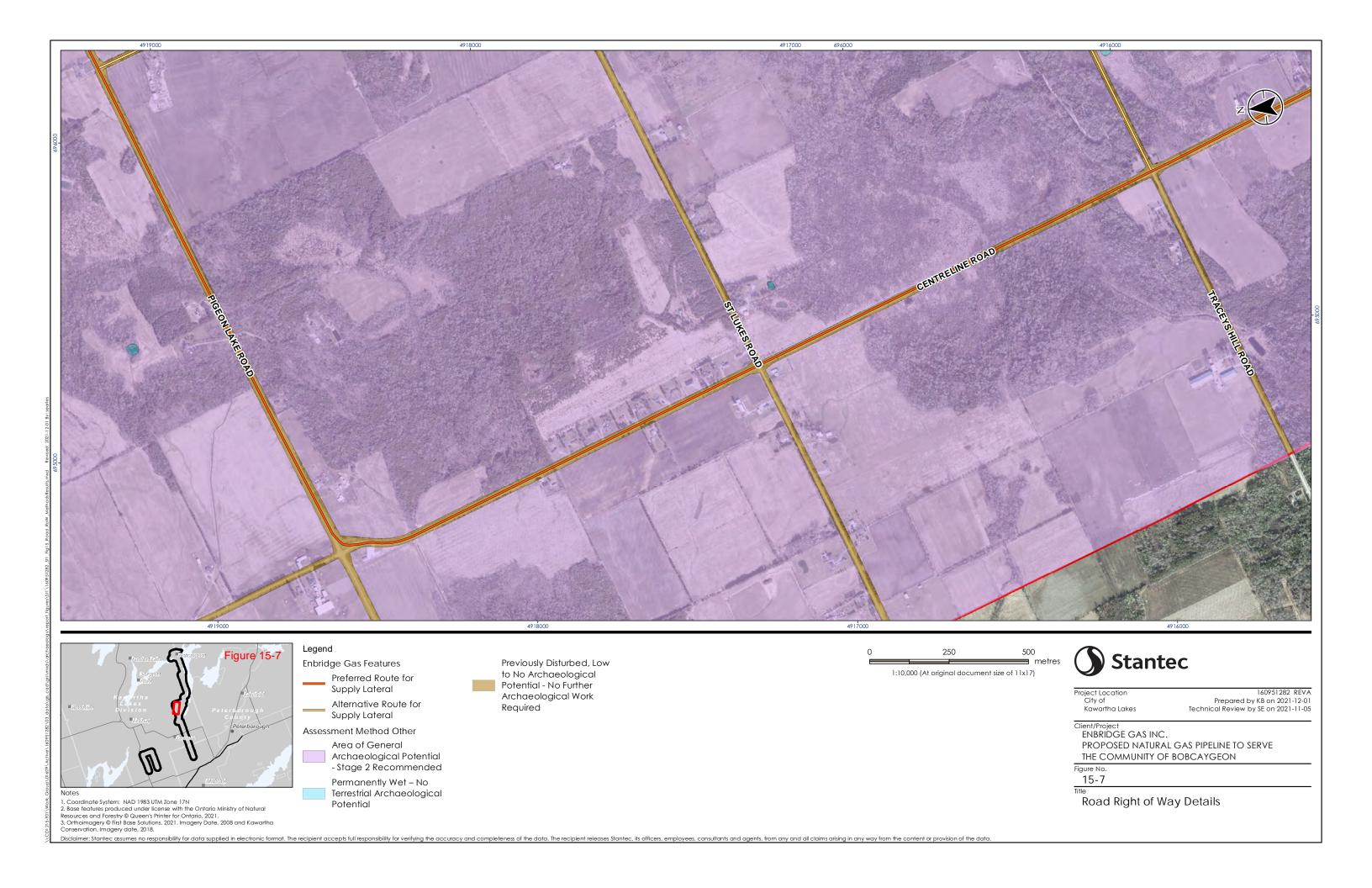


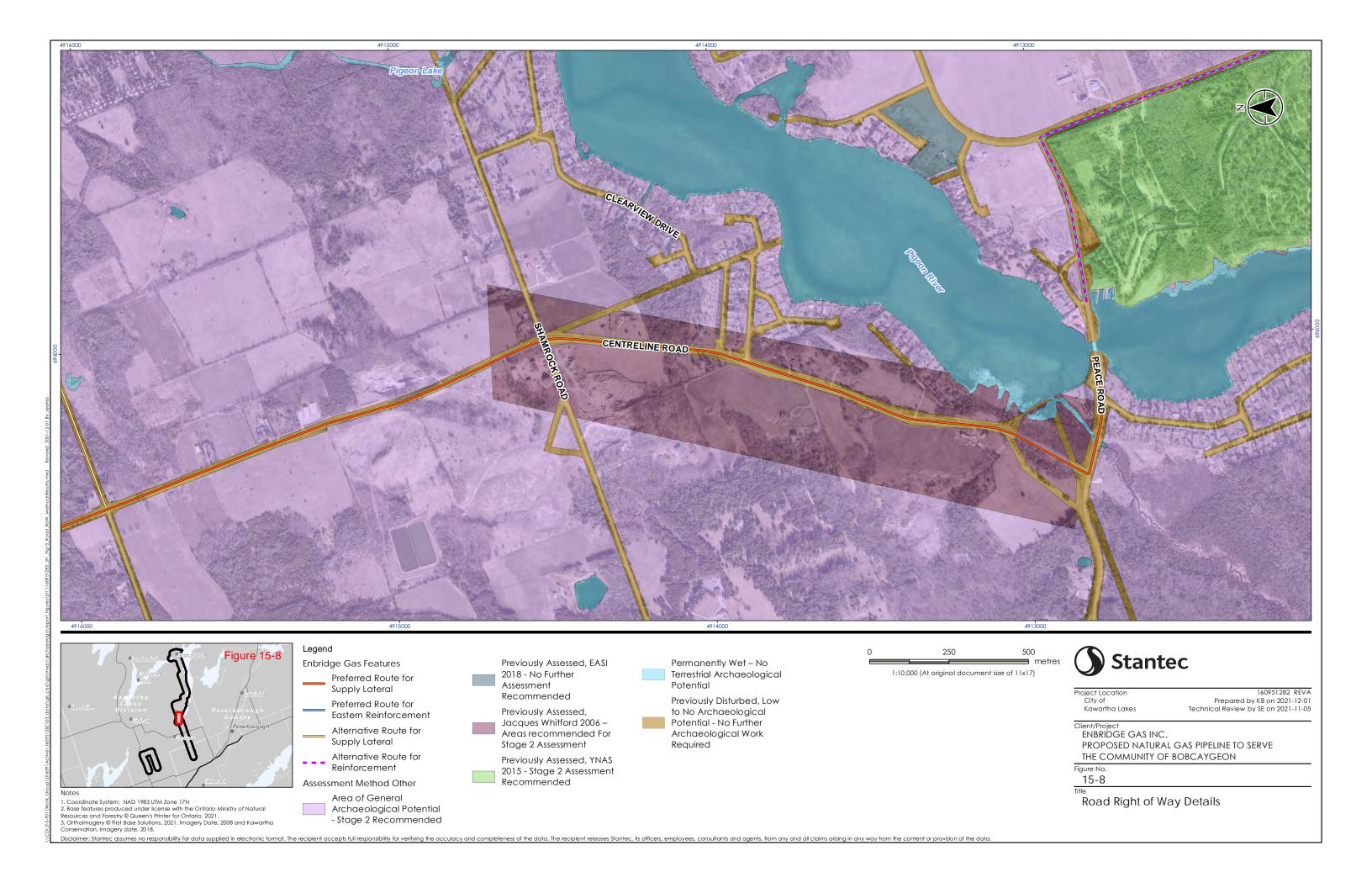


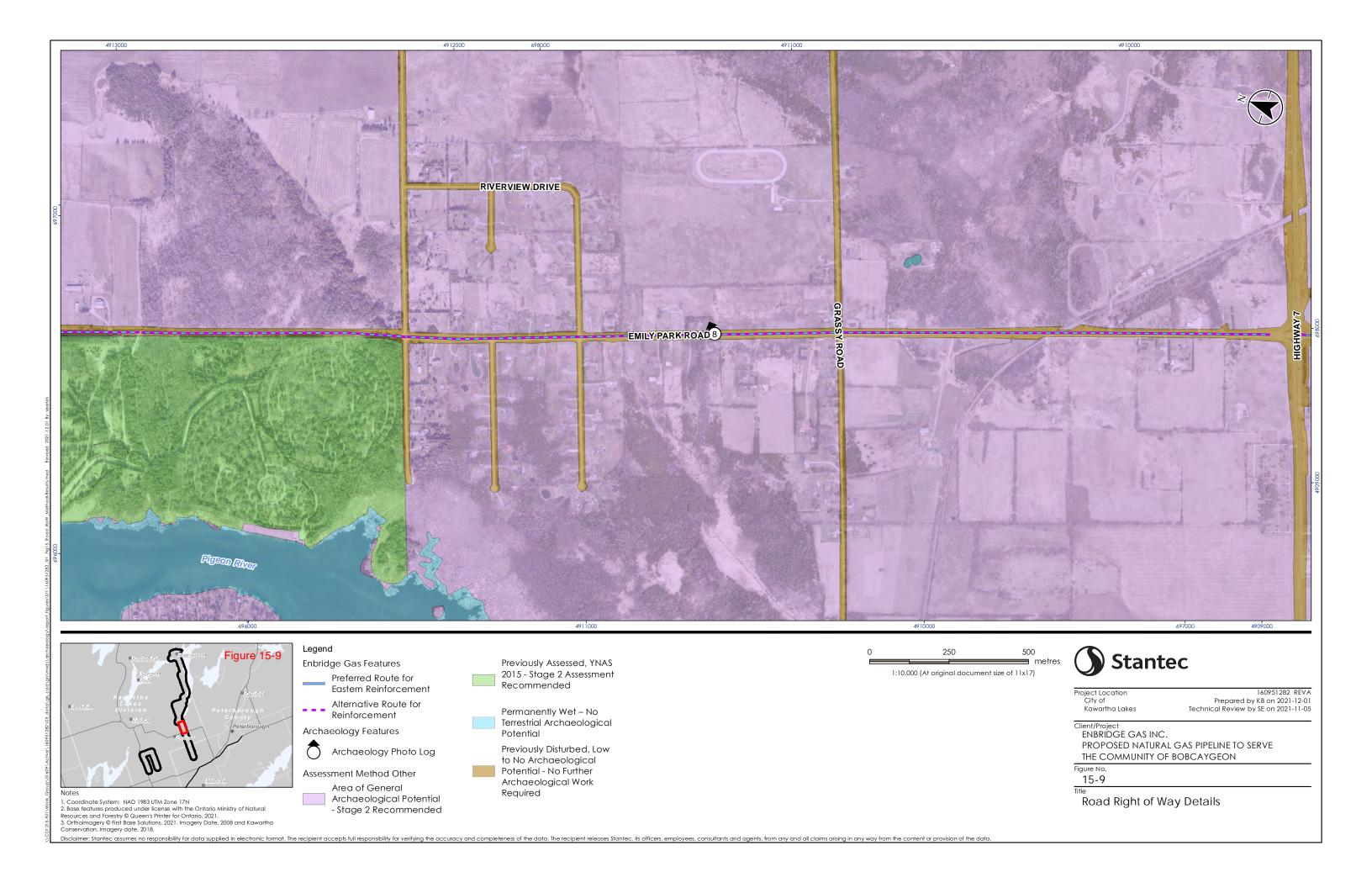


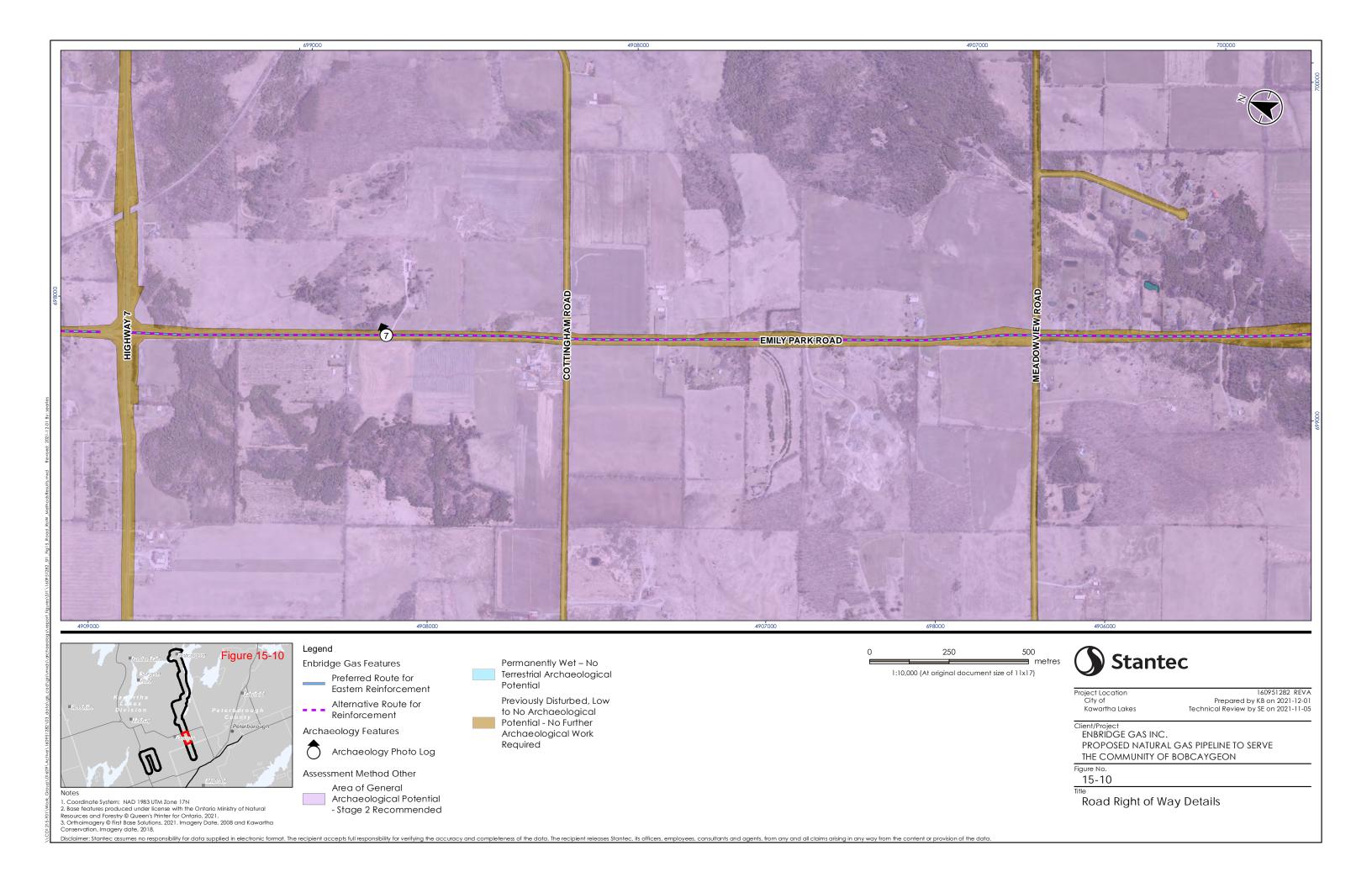


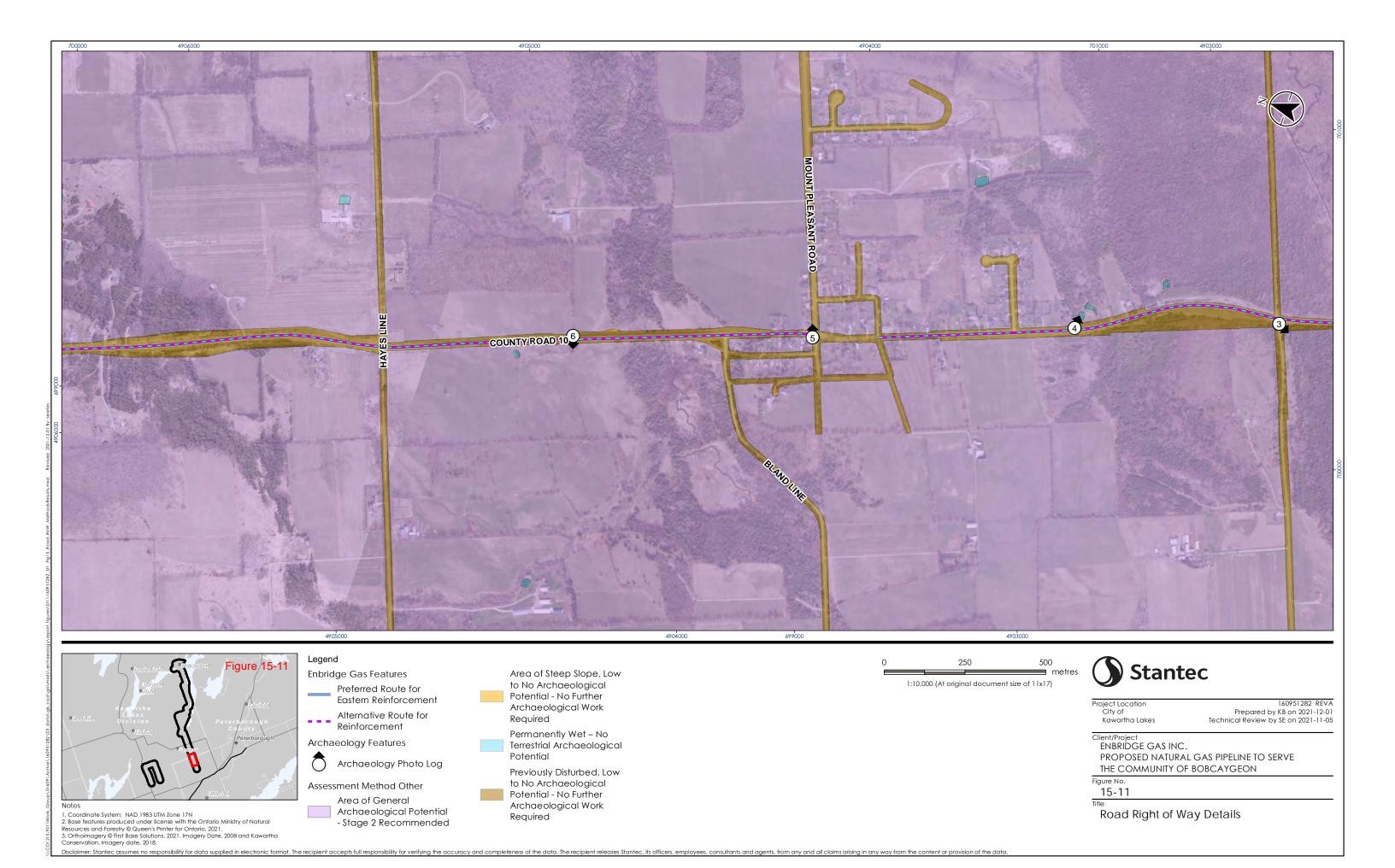


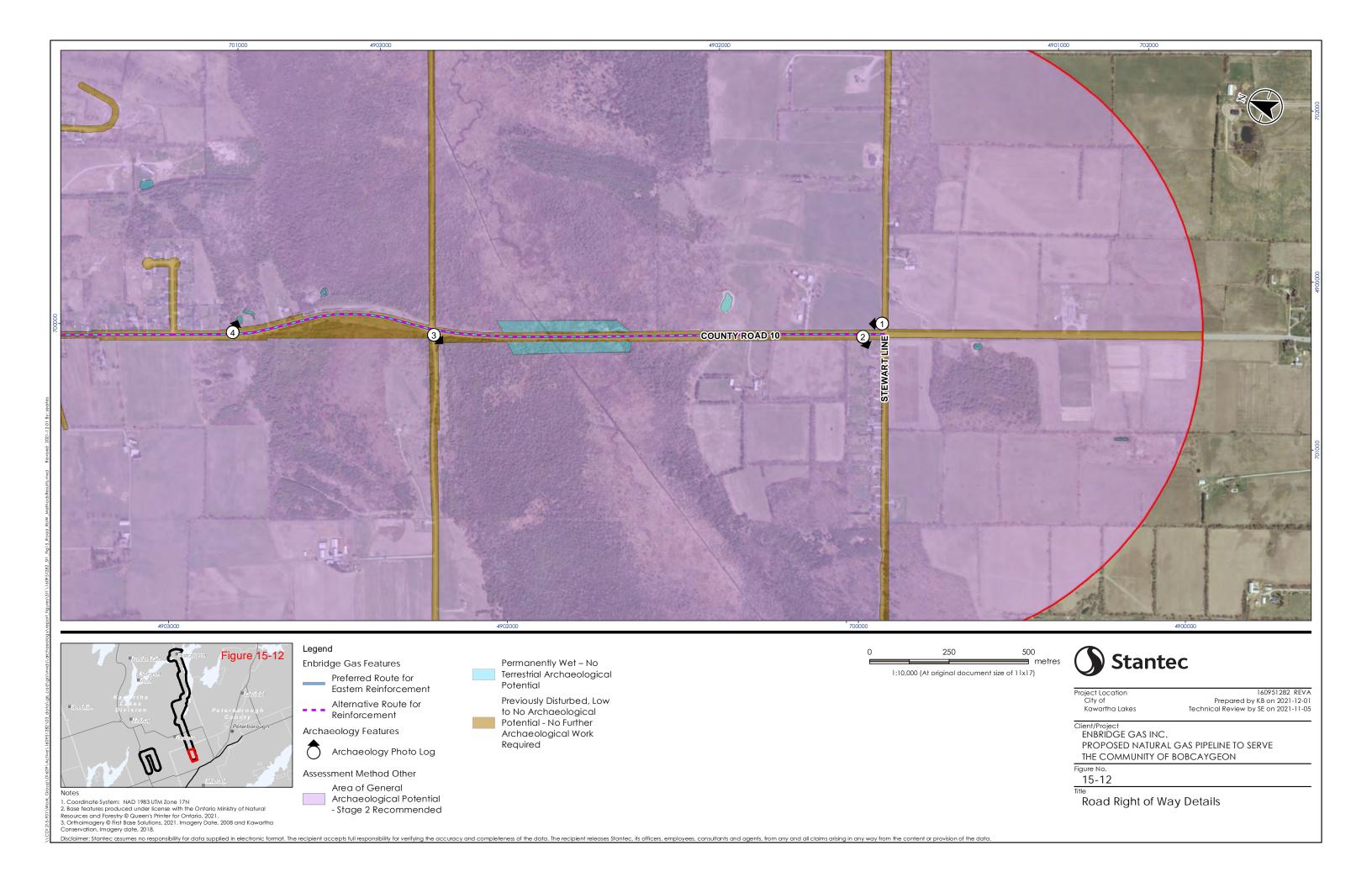


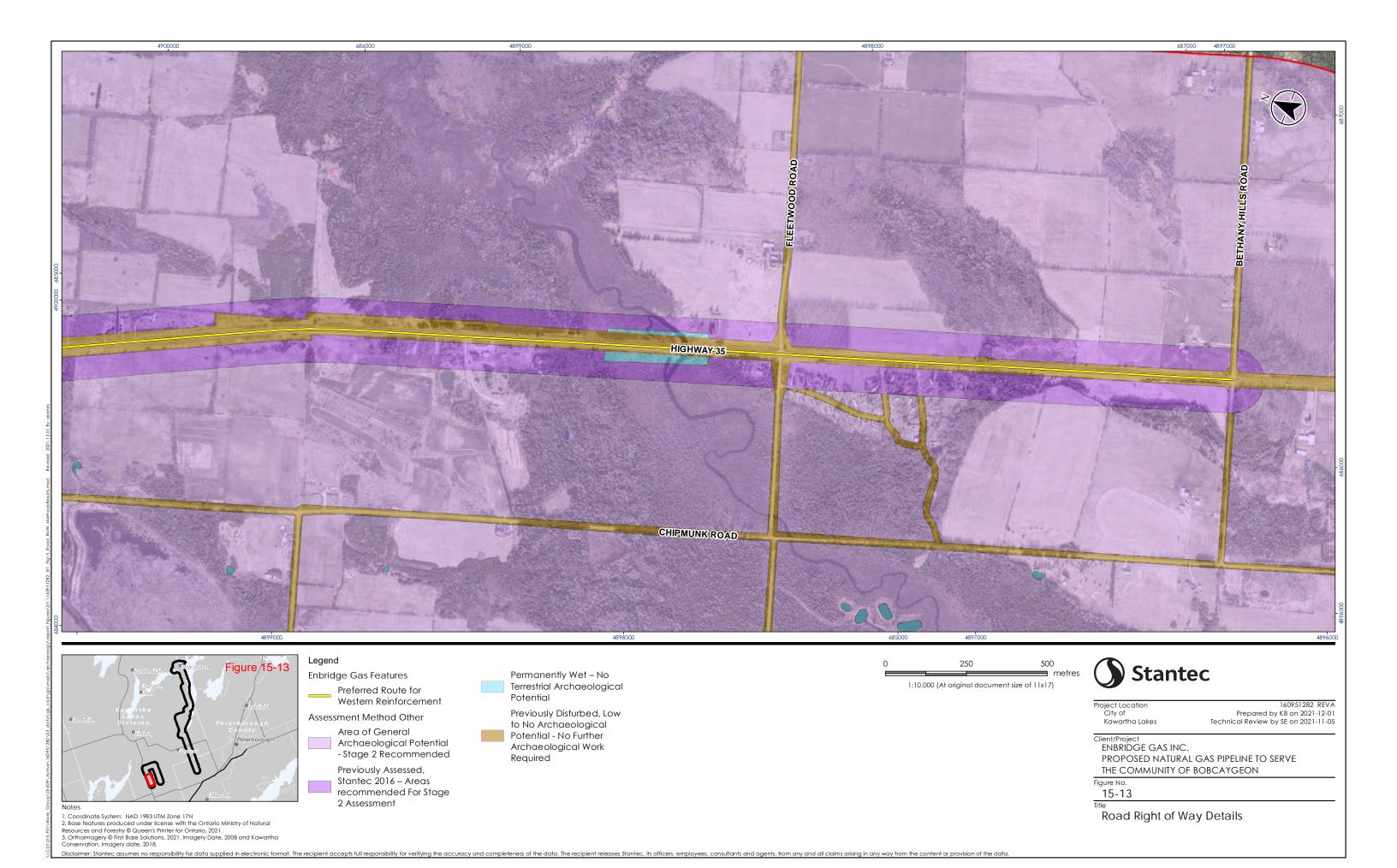


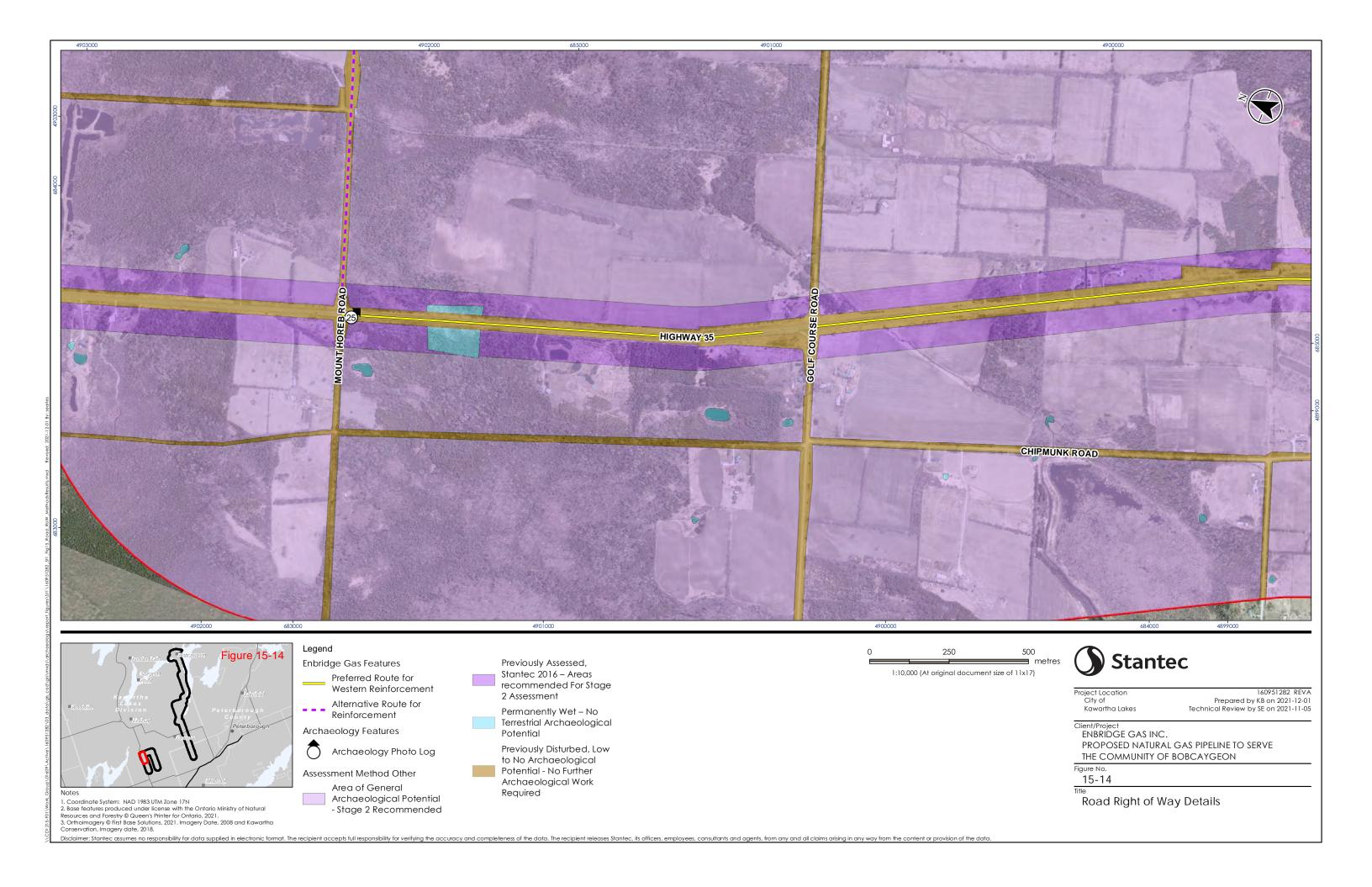


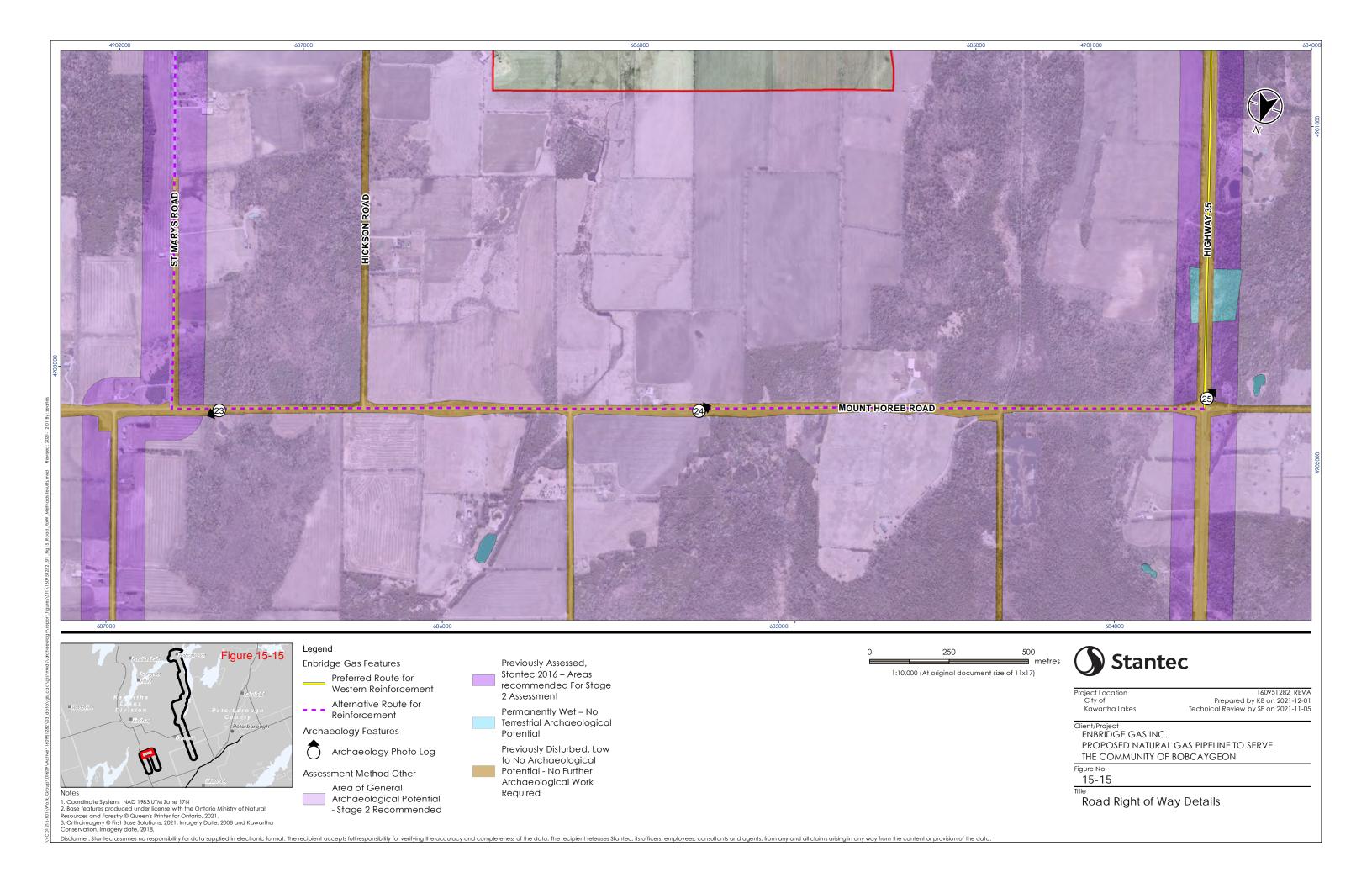


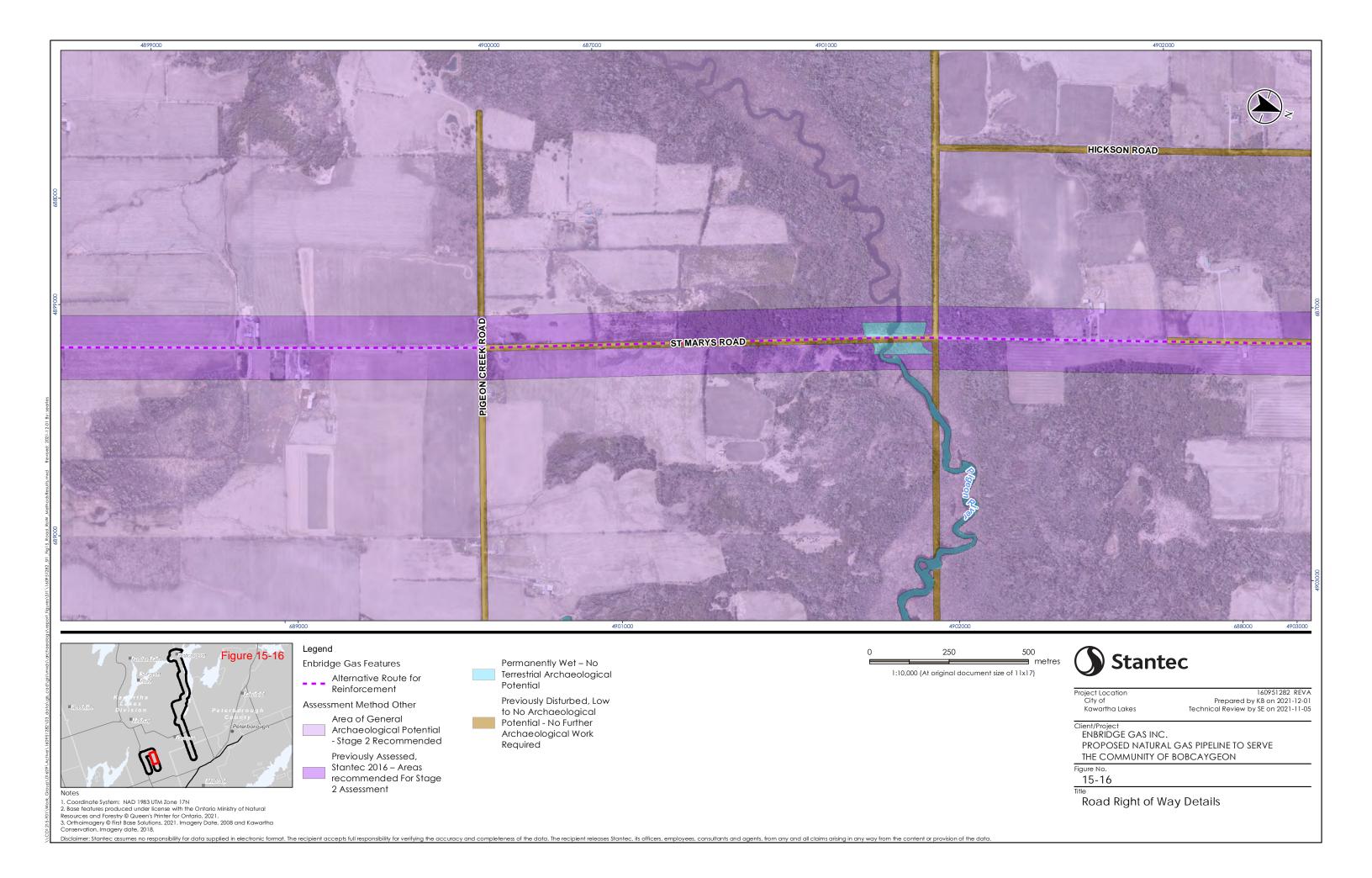


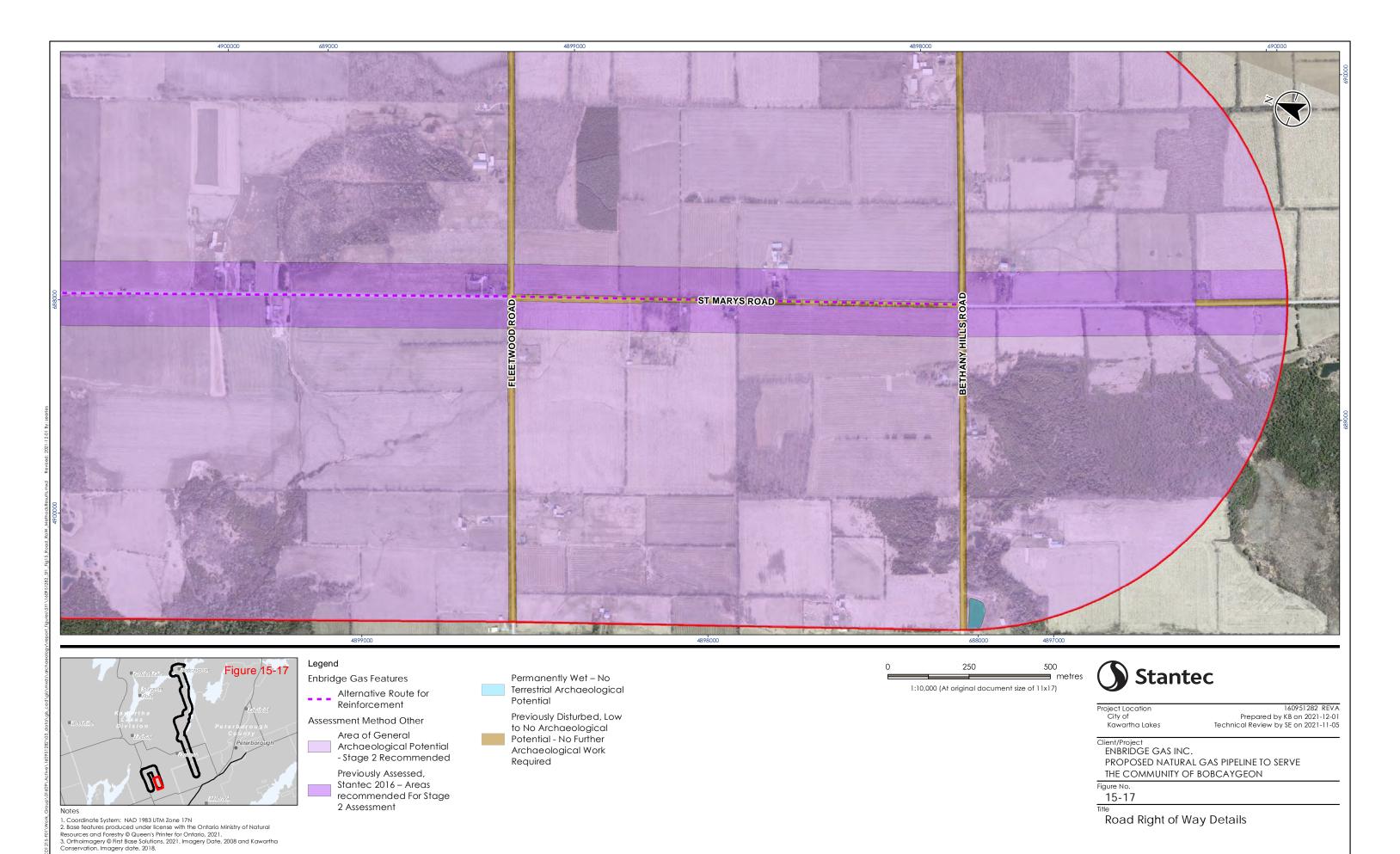












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Closure

9.0 CLOSURE

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential archaeological resources associated with the identified property.

All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. The conclusions are based on the conditions encountered by Stantec at the time the work was performed. Due to the nature of archaeological assessment, which consists of systematic sampling, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire property.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report. We trust this report meets your current requirements. Please do not hesitate to contact us should you require further information or have additional questions about any facet of this report.

Technical Review	DRAFT
	(signature)

Tracie Carmichael – Managing Principal, Environmental Services



APPENDIX F: CULTURAL HERITAGE CHECKLIST



Ministry of Tourism, Culture and Sport

Programs & Services Branch 401 Bay Street, Suite 1700 Toronto ON M7A 0A7

Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes A Checklist for the Non-Specialist

The purpose of the checklist is to determine:

- if a property(ies) or project area:
 - is a recognized heritage property
 - may be of cultural heritage value
- it includes all areas that may be impacted by project activities, including but not limited to:
 - the main project area
 - temporary storage
 - staging and working areas
 - · temporary roads and detours

Processes covered under this checklist, such as:

- Planning Act
- Environmental Assessment Act
- Aggregates Resources Act
- Ontario Heritage Act Standards and Guidelines for Conservation of Provincial Heritage Properties

Cultural Heritage Evaluation Report (CHER)

If you are not sure how to answer one or more of the questions on the checklist, you may want to hire a qualified person(s) (see page 5 for definitions) to undertake a cultural heritage evaluation report (CHER).

The CHER will help you:

- identify, evaluate and protect cultural heritage resources on your property or project area
- reduce potential delays and risks to a project

Other checklists

Please use a separate checklist for your project, if:

- you are seeking a Renewable Energy Approval under Ontario Regulation 359/09 separate checklist
- your Parent Class EA document has an approved screening criteria (as referenced in Question 1)

Please refer to the Instructions pages for more detailed information and when completing this form.

-		roperty Location (upper and lower or single tier municipality) awartha Lakes and Township of Cavan-Monaghan		
Propo		Name Gas Distribution Inc.		
Propo	nent (Contact Information la Blvd, Markham, ON, L6C 0M6		
Scre	ening	Questions		
			Yes	No
1. Is	s ther	e a pre-approved screening checklist, methodology or process in place?		✓
If Ye	s, ple	ase follow the pre-approved screening checklist, methodology or process.		
If No	, cont	inue to Question 2.		
Part	A: Sc	reening for known (or recognized) Cultural Heritage Value		
			Yes	No
2 F	las th	e property (or project area) been evaluated before and found not to be of cultural heritage value?		√
		not complete the rest of the checklist.		
		nent, property owner and/or approval authority will:		
1110	•	summarize the previous evaluation and		
	•	add this checklist to the project file, with the appropriate documents that demonstrate a cultural heritage		
		evaluation was undertaken		
The s	summ	ary and appropriate documentation may be:		
	•	submitted as part of a report requirement		
	•	maintained by the property owner, proponent or approval authority		
If No	, cont	inue to Question 3.		
			Yes	No
3. Is	s the	property (or project area):		
	a.	identified, designated or otherwise protected under the <i>Ontario Heritage Act</i> as being of cultural heritage value?	✓	
	b.	a National Historic Site (or part of)?		√
	C.	designated under the Heritage Railway Stations Protection Act?		✓
	d.	designated under the Heritage Lighthouse Protection Act?		✓
	e.	identified as a Federal Heritage Building by the Federal Heritage Buildings Review Office (FHBRO)?		✓
	f.	located within a United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage Site?		✓
If Ye	s to a	ny of the above questions, you need to hire a qualified person(s) to undertake:		
	•	a Cultural Heritage Evaluation Report, if a Statement of Cultural Heritage Value has not previously been prepared or the statement needs to be updated		
		nent of Cultural Heritage Value has been prepared previously and if alterations or development are you need to hire a qualified person(s) to undertake:		
	•	a Heritage Impact Assessment (HIA) – the report will assess and avoid, eliminate or mitigate impacts		
If No	, cont	inue to Question 4.		

Project or Property Name Bobcaygeon Community Expansion Project

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P a	rt B: So	creening for Potential Cultural Heritage Value		
			Yes	No
١.	Does	the property (or project area) contain a parcel of land that:		
	a.	is the subject of a municipal, provincial or federal commemorative or interpretive plaque?		✓
	b.	has or is adjacent to a known burial site and/or cemetery?	✓	
	C.	is in a Canadian Heritage River watershed?		✓
	d.	contains buildings or structures that are 40 or more years old?	✓	
a	rt C: 01	ther Considerations		
			Yes	No
j.	Is ther	re local or Aboriginal knowledge or accessible documentation suggesting that the property (or project area)):	
	a.	is considered a landmark in the local community or contains any structures or sites that are important in defining the character of the area?		√
	b.	has a special association with a community, person or historical event?		✓
	C.	contains or is part of a cultural heritage landscape?		✓
		one or more of the above questions (Part B and C), there is potential for cultural heritage resources on the r within the project area.		
0	u need	to hire a qualified person(s) to undertake:		
	•	a Cultural Heritage Evaluation Report (CHER)		
		erty is determined to be of cultural heritage value and alterations or development is proposed, you need to lified person(s) to undertake:		
	•	a Heritage Impact Assessment (HIA) – the report will assess and avoid, eliminate or mitigate impacts		
	lo to all perty.	I of the above questions, there is low potential for built heritage or cultural heritage landscape on the		
ħ	e propo	nent, property owner and/or approval authority will:		
	•	summarize the conclusion		
	•	add this checklist with the appropriate documentation to the project file		
ħ	e summ	nary and appropriate documentation may be:		
	•	submitted as part of a report requirement e.g. under the Environmental Assessment Act, Planning Act		

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processes

maintained by the property owner, proponent or approval authority

Instructions

Please have the following available, when requesting information related to the screening questions below:

- a clear map showing the location and boundary of the property or project area
 - large scale and small scale showing nearby township names for context purposes
- the municipal addresses of all properties within the project area
- the lot(s), concession(s), and parcel number(s) of all properties within a project area

For more information, see the Ministry of Tourism, Culture and Sport's <u>Ontario Heritage Toolkit</u> or <u>Standards and Guidelines for Conservation of Provincial Heritage Properties</u>.

In this context, the following definitions apply:

- qualified person(s) means individuals professional engineers, architects, archaeologists, etc. having relevant, recent experience in the conservation of cultural heritage resources.
- **proponent** means a person, agency, group or organization that carries out or proposes to carry out an undertaking or is the owner or person having charge, management or control of an undertaking.

1. Is there a pre-approved screening checklist, methodology or process in place?

An existing checklist, methodology or process may already be in place for identifying potential cultural heritage resources, including:

- one endorsed by a municipality
- an environmental assessment process e.g. screening checklist for municipal bridges
- one that is approved by the Ministry of Tourism, Culture and Sport (MTCS) under the Ontario government's Standards & Guidelines for Conservation of Provincial Heritage Properties [s.B.2.]

Part A: Screening for known (or recognized) Cultural Heritage Value

2. Has the property (or project area) been evaluated before and found not to be of cultural heritage value?

Respond 'yes' to this question, if all of the following are true:

A property can be considered not to be of cultural heritage value if:

- a Cultural Heritage Evaluation Report (CHER) or equivalent has been prepared for the property with the advice of a qualified person and it has been determined not to be of cultural heritage value and/or
- the municipal heritage committee has evaluated the property for its cultural heritage value or interest and determined that the property is not of cultural heritage value or interest

A property may need to be re-evaluated, if:

- there is evidence that its heritage attributes may have changed
- new information is available
- the existing Statement of Cultural Heritage Value does not provide the information necessary to manage the property
- the evaluation took place after 2005 and did not use the criteria in Regulations 9/06 and 10/06

Note: Ontario government ministries and public bodies [prescribed under Regulation 157/10] may continue to use their existing evaluation processes, until the evaluation process required under section B.2 of the Standards & Guidelines for Conservation of Provincial Heritage Properties has been developed and approved by MTCS.

To determine if your property or project area has been evaluated, contact:

- the approval authority
- the proponent
- the Ministry of Tourism, Culture and Sport

3a. Is the property (or project area) identified, designated or otherwise protected under the *Ontario Heritage Act* as being of cultural heritage value e.g.:

- designated under the Ontario Heritage Act
 - individual designation (Part IV)
 - part of a heritage conservation district (Part V)

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Individual Designation - Part IV

A property that is designated:

- by a municipal by-law as being of cultural heritage value or interest [s.29 of the Ontario Heritage Act]
- by order of the Minister of Tourism, Culture and Sport as being of cultural heritage value or interest of provincial significance [s.34.5]. **Note**: To date, no properties have been designated by the Minister.

Heritage Conservation District - Part V

A property or project area that is located within an area designated by a municipal by-law as a heritage conservation district [s. 41 of the *Ontario Heritage Act*].

For more information on Parts IV and V, contact:

- · municipal clerk
- Ontario Heritage Trust
- local land registry office (for a title search)
- ii. subject of an agreement, covenant or easement entered into under Parts II or IV of the Ontario Heritage Act

An agreement, covenant or easement is usually between the owner of a property and a conservation body or level of government. It is usually registered on title.

The primary purpose of the agreement is to:

- preserve, conserve, and maintain a cultural heritage resource
- prevent its destruction, demolition or loss

For more information, contact:

- Ontario Heritage Trust for an agreement, covenant or easement [clause 10 (1) (c) of the Ontario Heritage Act]
- municipal clerk for a property that is the subject of an easement or a covenant [s.37 of the Ontario Heritage Act]
- local land registry office (for a title search)
- iii. listed on a register of heritage properties maintained by the municipality

Municipal registers are the official lists - or record - of cultural heritage properties identified as being important to the community. Registers include:

- all properties that are designated under the Ontario Heritage Act (Part IV or V)
- properties that have not been formally designated, but have been identified as having cultural heritage value or interest to the community

For more information, contact:

- · municipal clerk
- · municipal heritage planning staff
- · municipal heritage committee
- iv. subject to a notice of:
 - intention to designate (under Part IV of the Ontario Heritage Act)
 - a Heritage Conservation District study area bylaw (under Part V of the Ontario Heritage Act)

A property that is subject to a **notice of intention to designate** as a property of cultural heritage value or interest and the notice is in accordance with:

- section 29 of the Ontario Heritage Act
- section 34.6 of the *Ontario Heritage Act.* **Note**: To date, the only applicable property is Meldrum Bay Inn, Manitoulin Island. [s.34.6]

An area designated by a municipal by-law made under section 40.1 of the *Ontario Heritage Act* as a **heritage conservation district study area**.

For more information, contact:

- municipal clerk for a property that is the subject of notice of intention [s. 29 and s. 40.1]
- Ontario Heritage Trust

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v. included in the Ministry of Tourism, Culture and Sport's list of provincial heritage properties

Provincial heritage properties are properties the Government of Ontario owns or controls that have cultural heritage value or interest.

The Ministry of Tourism, Culture and Sport (MTCS) maintains a list of all provincial heritage properties based on information provided by ministries and prescribed public bodies. As they are identified, MTCS adds properties to the list of provincial heritage properties.

For more information, contact the MTCS Registrar at registrar@ontario.ca.

3b. Is the property (or project area) a National Historic Site (or part of)?

National Historic Sites are properties or districts of national historic significance that are designated by the Federal Minister of the Environment, under the *Canada National Parks Act*, based on the advice of the Historic Sites and Monuments Board of Canada.

For more information, see the <u>National Historic Sites website</u>.

3c. Is the property (or project area) designated under the Heritage Railway Stations Protection Act?

The *Heritage Railway Stations Protection Act* protects heritage railway stations that are owned by a railway company under federal jurisdiction. Designated railway stations that pass from federal ownership may continue to have cultural heritage value.

For more information, see the <u>Directory of Designated Heritage Railway Stations</u>.

3d. Is the property (or project area) designated under the Heritage Lighthouse Protection Act?

The *Heritage Lighthouse Protection Act* helps preserve historically significant Canadian lighthouses. The Act sets up a public nomination process and includes heritage building conservation standards for lighthouses which are officially designated.

For more information, see the <u>Heritage Lighthouses of Canada</u> website.

3e. Is the property (or project area) identified as a Federal Heritage Building by the Federal Heritage Buildings Review Office?

The role of the Federal Heritage Buildings Review Office (FHBRO) is to help the federal government protect the heritage buildings it owns. The policy applies to all federal government departments that administer real property, but not to federal Crown Corporations.

For more information, contact the Federal Heritage Buildings Review Office.

See a directory of all federal heritage designations.

3f. Is the property (or project area) located within a United Nations Educational, Scientific and Cultural Organization (UNESCO) World Heritage Site?

A UNESCO World Heritage Site is a place listed by UNESCO as having outstanding universal value to humanity under the Convention Concerning the Protection of the World Cultural and Natural Heritage. In order to retain the status of a World Heritage Site, each site must maintain its character defining features.

Currently, the Rideau Canal is the only World Heritage Site in Ontario.

For more information, see Parks Canada – World Heritage Site website.

Part B: Screening for potential Cultural Heritage Value

4a. Does the property (or project area) contain a parcel of land that has a municipal, provincial or federal commemorative or interpretive plaque?

Heritage resources are often recognized with formal plaques or markers.

Plaques are prepared by:

- municipalities
- provincial ministries or agencies
- federal ministries or agencies
- local non-government or non-profit organizations

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For more information, contact:

- <u>municipal heritage committees</u> or local heritage organizations for information on the location of plaques in their community
- Ontario Historical Society's Heritage directory for a list of historical societies and heritage organizations
- Ontario Heritage Trust for a <u>list of plaques</u> commemorating Ontario's history
- Historic Sites and Monuments Board of Canada for a <u>list of plaques</u> commemorating Canada's history

4b. Does the property (or project area) contain a parcel of land that has or is adjacent to a known burial site and/or cemetery?

For more information on known cemeteries and/or burial sites, see:

- Cemeteries Regulations, Ontario Ministry of Consumer Services for a database of registered cemeteries
- Ontario Genealogical Society (OGS) to <u>locate records of Ontario cemeteries</u>, both currently and no longer in existence; cairns, family plots and burial registers
- Canadian County Atlas Digital Project to <u>locate early cemeteries</u>

In this context, adjacent means contiguous or as otherwise defined in a municipal official plan.

4c. Does the property (or project area) contain a parcel of land that is in a Canadian Heritage River watershed?

The Canadian Heritage River System is a national river conservation program that promotes, protects and enhances the best examples of Canada's river heritage.

Canadian Heritage Rivers must have, and maintain, outstanding natural, cultural and/or recreational values, and a high level of public support.

For more information, contact the Canadian Heritage River System.

If you have questions regarding the boundaries of a watershed, please contact:

- · your conservation authority
- municipal staff

4d. Does the property (or project area) contain a parcel of land that contains buildings or structures that are 40 or more years old?

A 40 year 'rule of thumb' is typically used to indicate the potential of a site to be of cultural heritage value. The approximate age of buildings and/or structures may be estimated based on:

- history of the development of the area
- fire insurance maps
- architectural style
- · building methods

Property owners may have information on the age of any buildings or structures on their property. The municipality, local land registry office or library may also have background information on the property.

Note: 40+ year old buildings or structure do not necessarily hold cultural heritage value or interest; their age simply indicates a higher potential.

A building or structure can include:

- · residential structure
- farm building or outbuilding
- industrial, commercial, or institutional building
- · remnant or ruin
- engineering work such as a bridge, canal, dams, etc.

For more information on researching the age of buildings or properties, see the Ontario Heritage Tool Kit Guide <u>Heritage Property Evaluation</u>.

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Part C: Other Considerations

5a. Is there local or Aboriginal knowledge or accessible documentation suggesting that the property (or project area) is considered a landmark in the local community or contains any structures or sites that are important to defining the character of the area?

Local or Aboriginal knowledge may reveal that the project location is situated on a parcel of land that has potential landmarks or defining structures and sites, for instance:

- buildings or landscape features accessible to the public or readily noticeable and widely known
- complexes of buildings
- monuments
- ruins

5b. Is there local or Aboriginal knowledge or accessible documentation suggesting that the property (or project area) has a special association with a community, person or historical event?

Local or Aboriginal knowledge may reveal that the project location is situated on a parcel of land that has a special association with a community, person or event of historic interest, for instance:

- · Aboriginal sacred site
- traditional-use area
- battlefield
- birthplace of an individual of importance to the community

5c. Is there local or Aboriginal knowledge or accessible documentation suggesting that the property (or project area) contains or is part of a cultural heritage landscape?

Landscapes (which may include a combination of archaeological resources, built heritage resources and landscape elements) may be of cultural heritage value or interest to a community.

For example, an Aboriginal trail, historic road or rail corridor may have been established as a key transportation or trade route and may have been important to the early settlement of an area. Parks, designed gardens or unique landforms such as waterfalls, rock faces, caverns, or mounds are areas that may have connections to a particular event, group or belief.

For more information on Questions 5.a., 5.b. and 5.c., contact:

- Elders in Aboriginal Communities or community researchers who may have information on potential cultural heritage resources. Please note that Aboriginal traditional knowledge may be considered sensitive.
- <u>municipal heritage committees</u> or local heritage organizations
- Ontario Historical Society's "Heritage Directory" for a list of historical societies and heritage organizations in the province

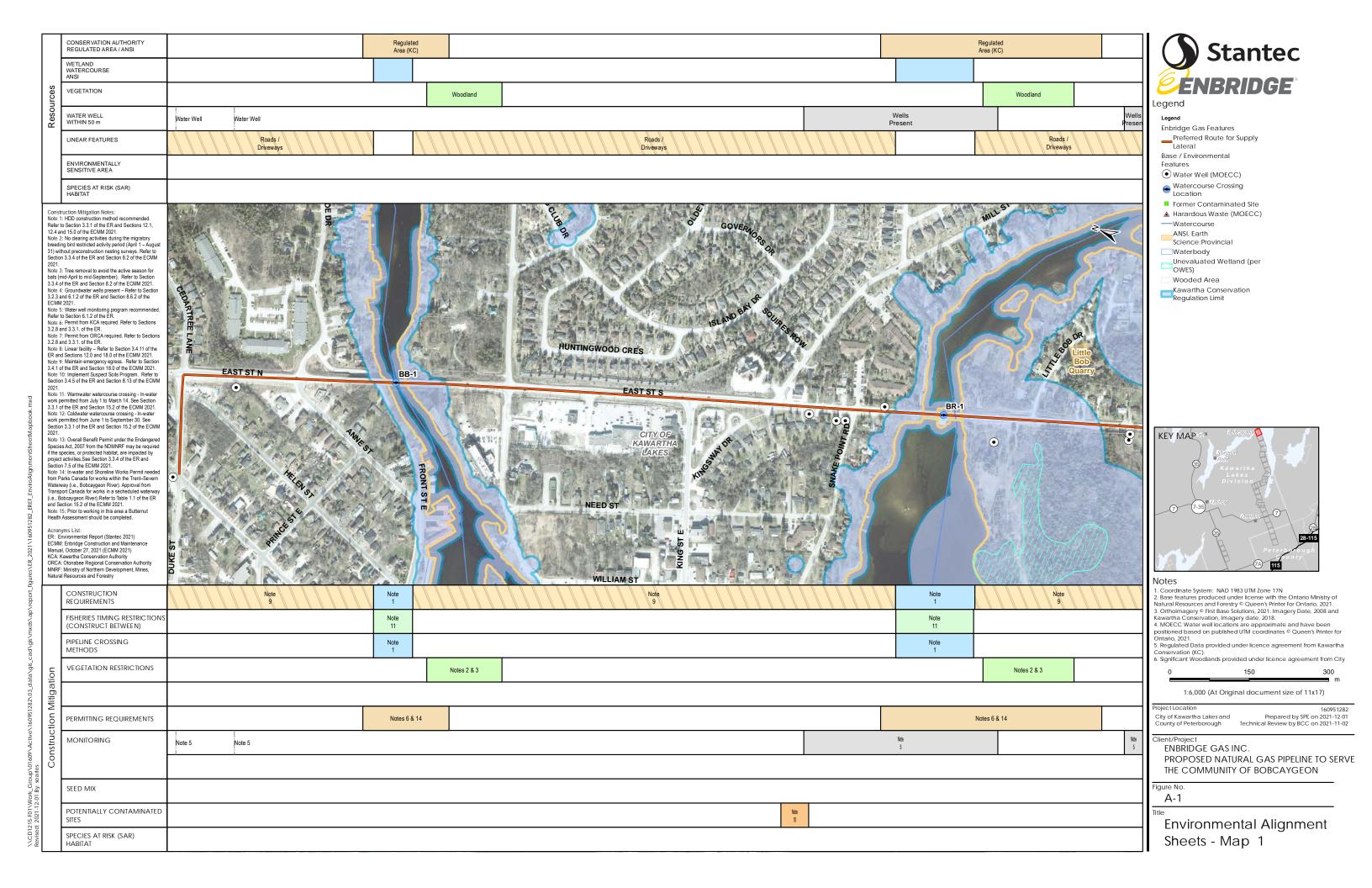
An internet search may find helpful resources, including:

- historical maps
- historical walking tours
- municipal heritage management plans
- cultural heritage landscape studies
- municipal cultural plans

Information specific to trails may be obtained through Ontario Trails.

0500E (2016/11) Page 8 of 8

APPENDIX G: ENVIRONMENTAL ALIGNMENT SHEETS





Enbridge Gas Features

Preferred Route for Supply Lateral

Base / Environmental Features

Water Well (MOECC)

—Watercourse

Significant Woodlands (City of Kawartha Lakes)

Waterbody

Unevaluated Wetland (per OWES)

Wooded Area

Kawartha Conservation Regulation Limit



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5. Regulated Data provided under licence agreement from Kawartha Conservation (KC). 6. Significant Woodlands provided under licence agreement from City

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City of Kawartha Lakes and County of Peterborough

Prepared by SPE on 2021-12-01 Technical Review by BCC on 2021-11-02

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ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Environmental Alignment Sheets - Map 2



Enbridge Gas Features

Preferred Route for Supply Lateral

Base / Environmental

Water Well (MOECC)

Watercourse Crossing Location

▲ Harardous Waste (MOECC)

Significant Woodlands (City

of Kawartha Lakes)

■Waterbody

Provincially Significant Wetland

Unevaluated Wetland (per

Wooded Area

Kawartha Conservation Regulation Limit

Significant Wildlife Habitat (City of Kawartha Lakes)



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ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Environmental Alignment Sheets - Map 4





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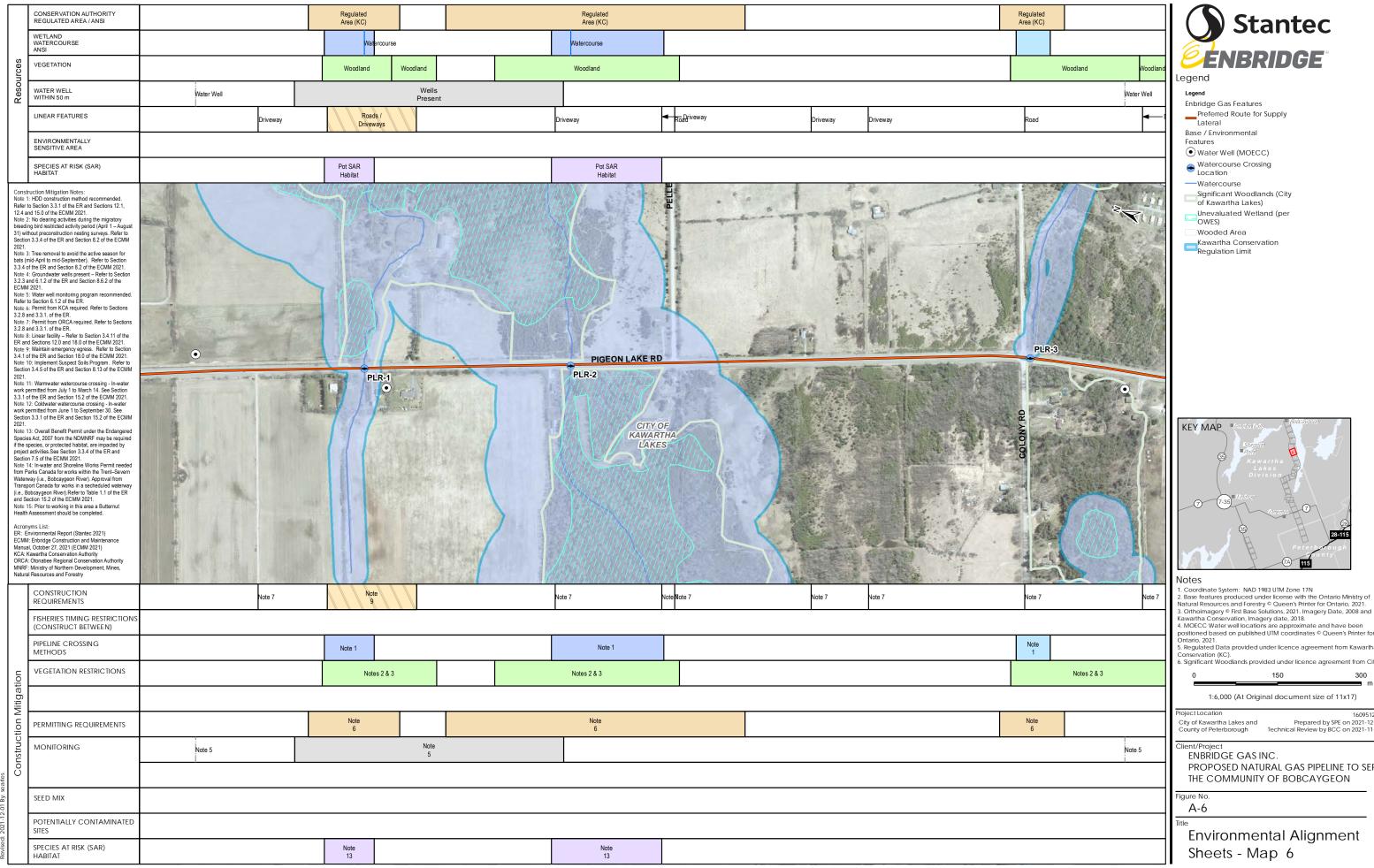
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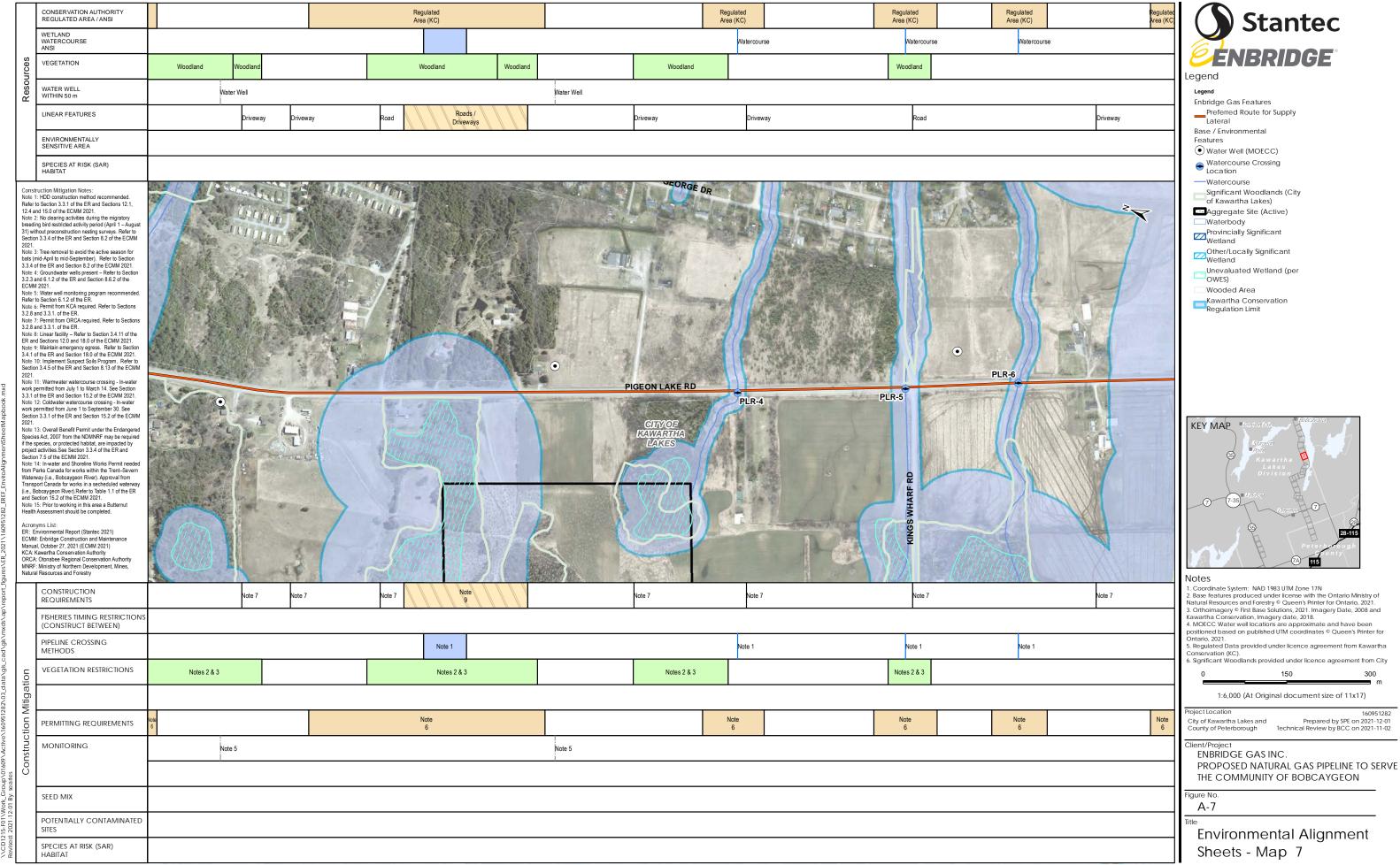
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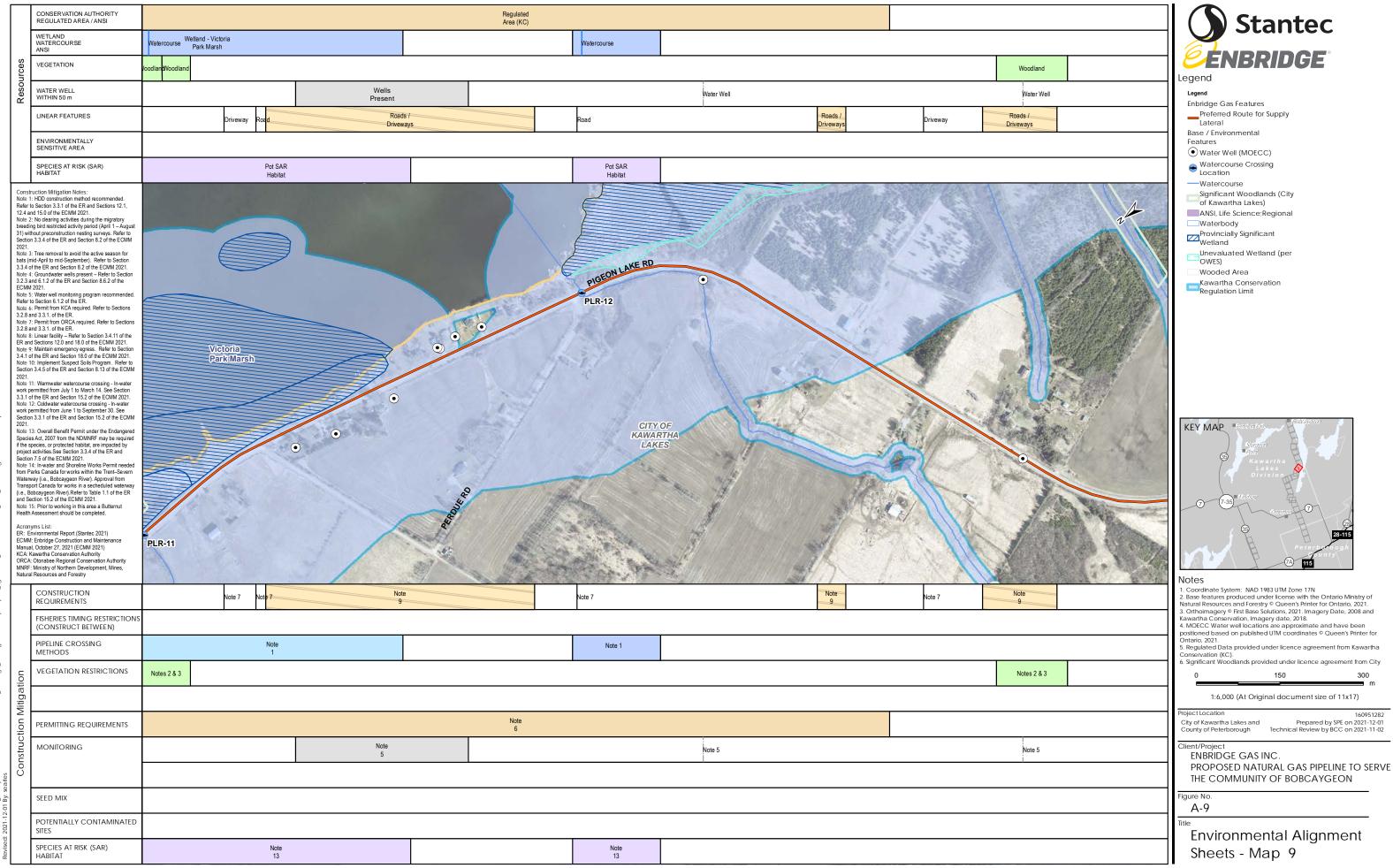
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PROPOSED NATURAL GAS PIPELINE TO SERVE

Environmental Alignment





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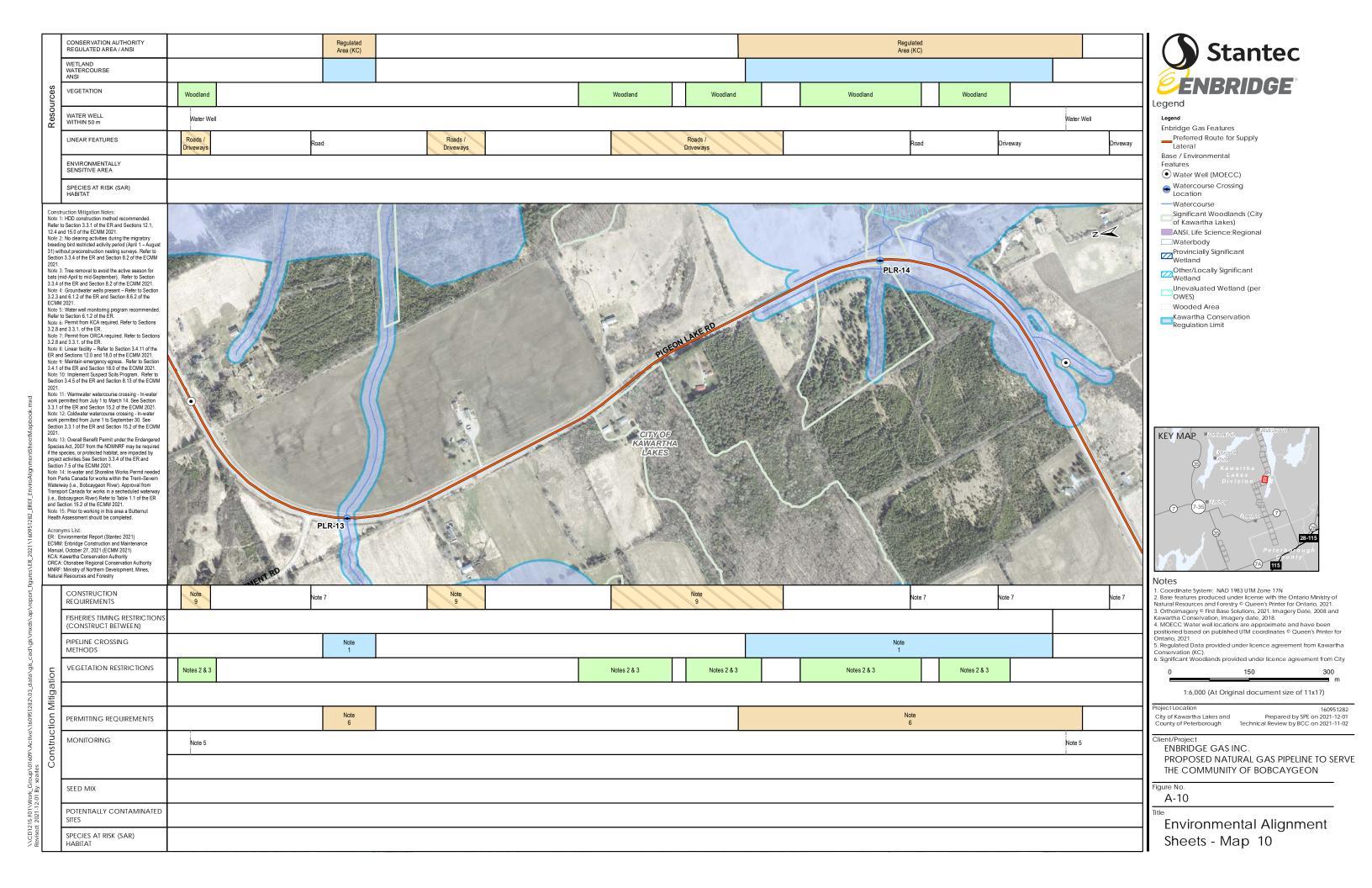
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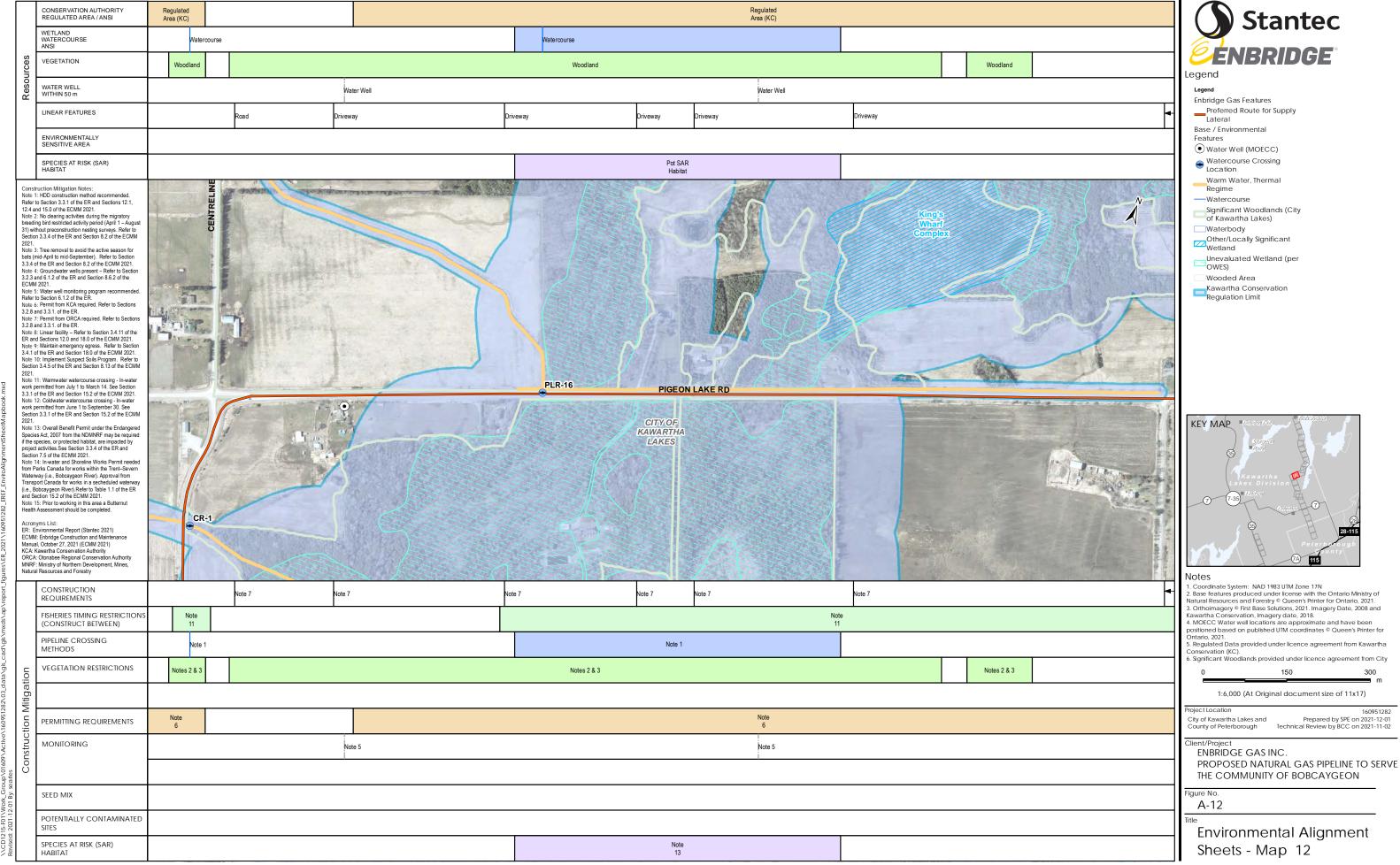
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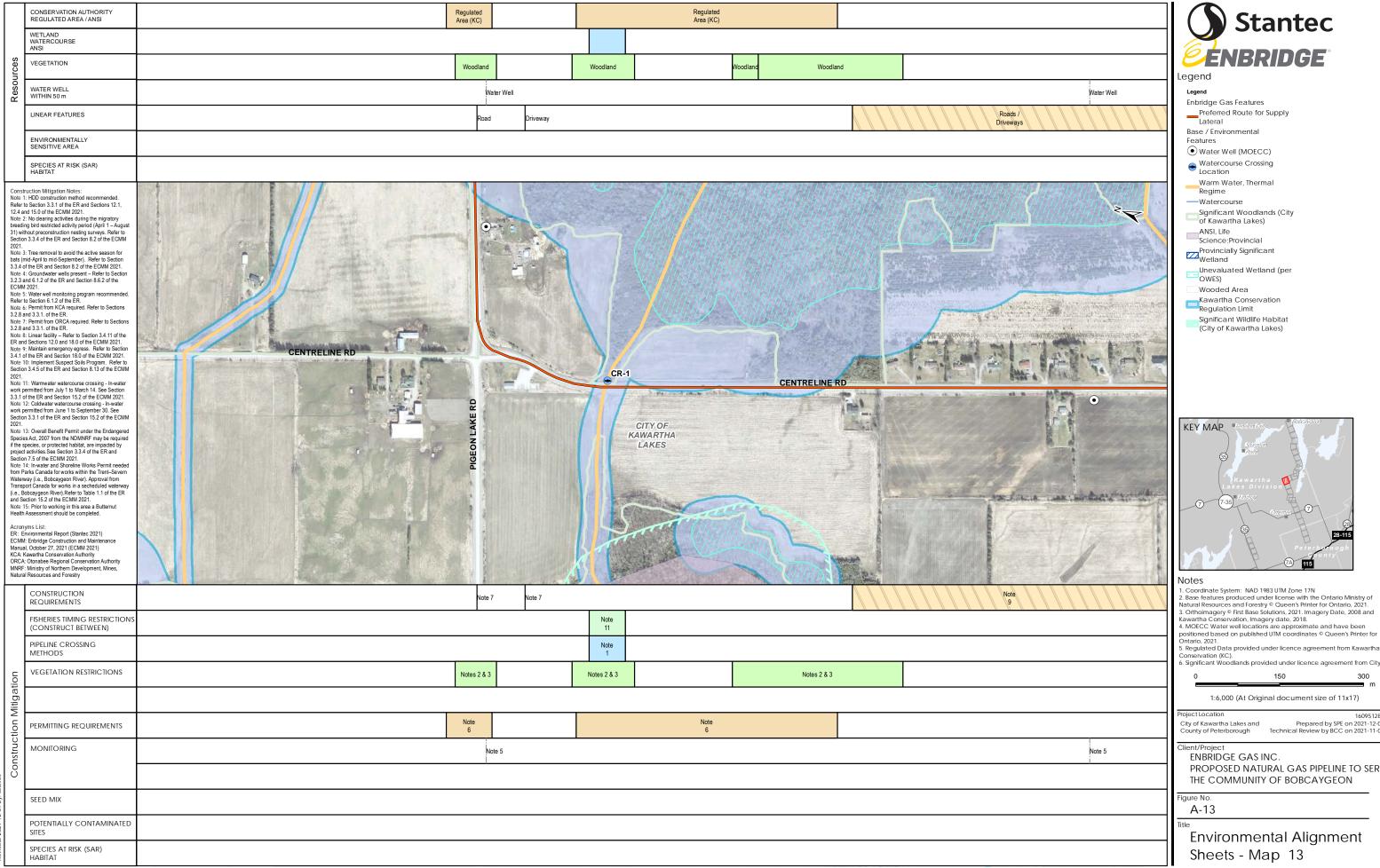
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Environmental Alignment











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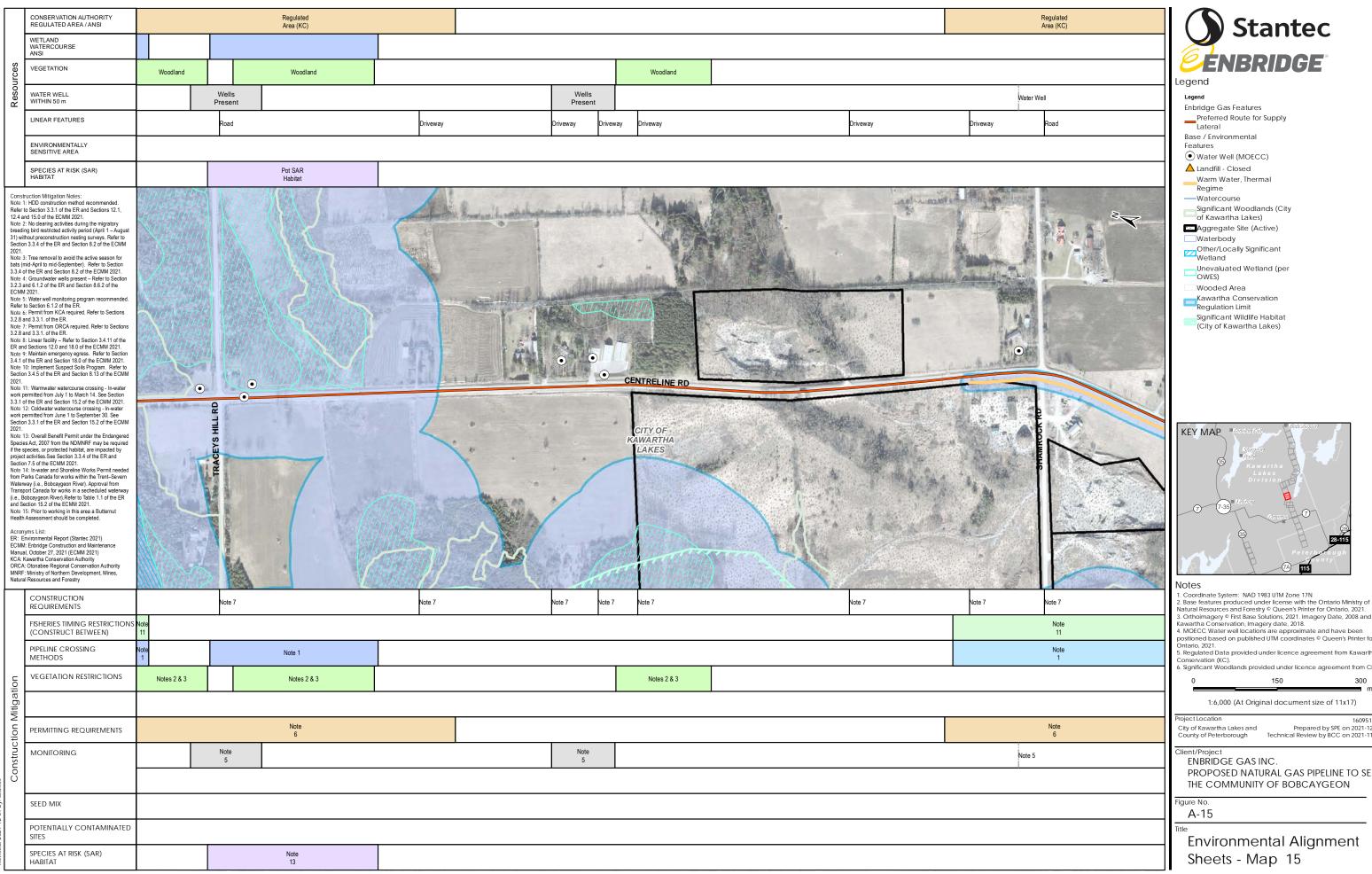
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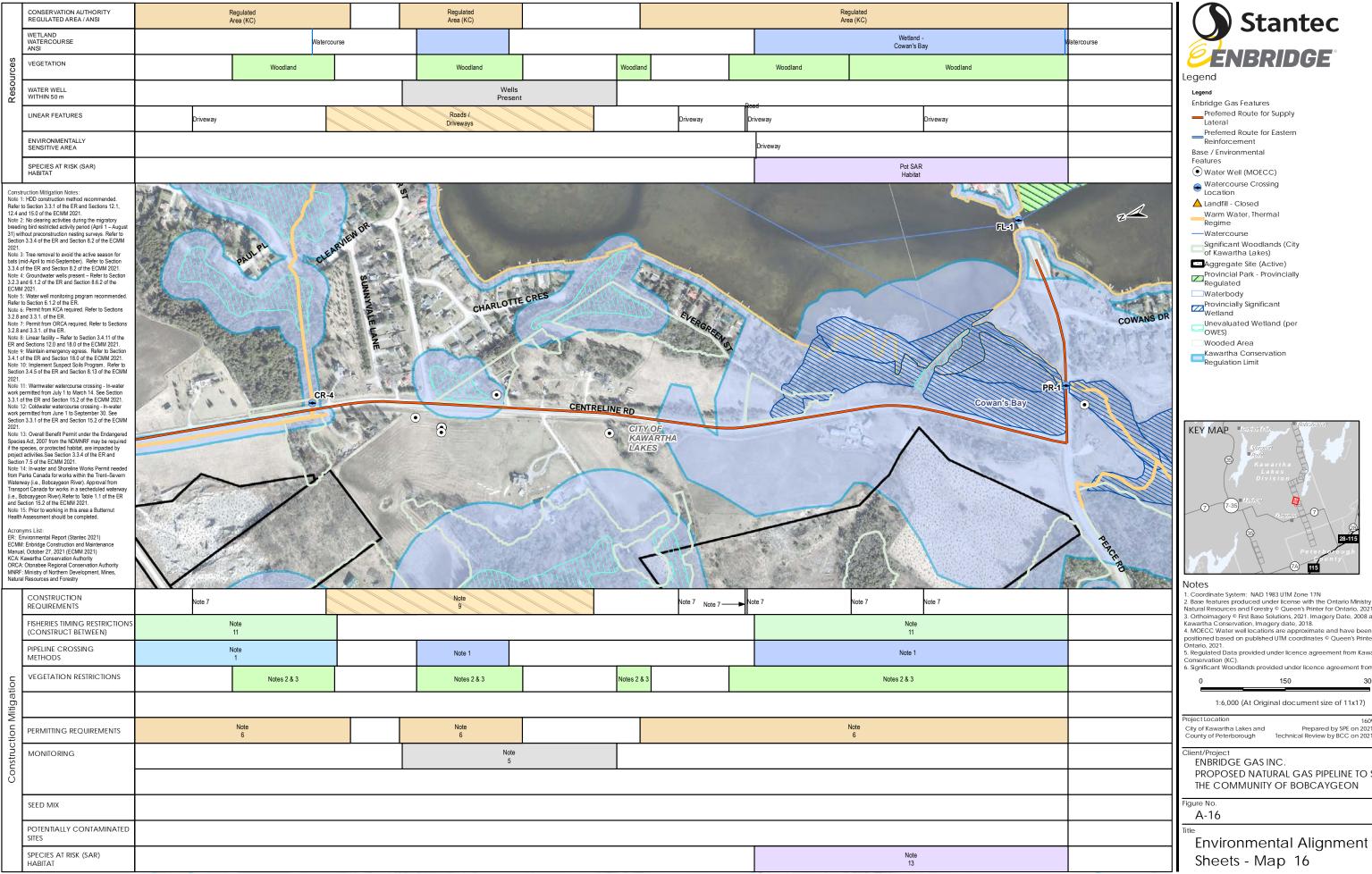
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

Environmental Alignment







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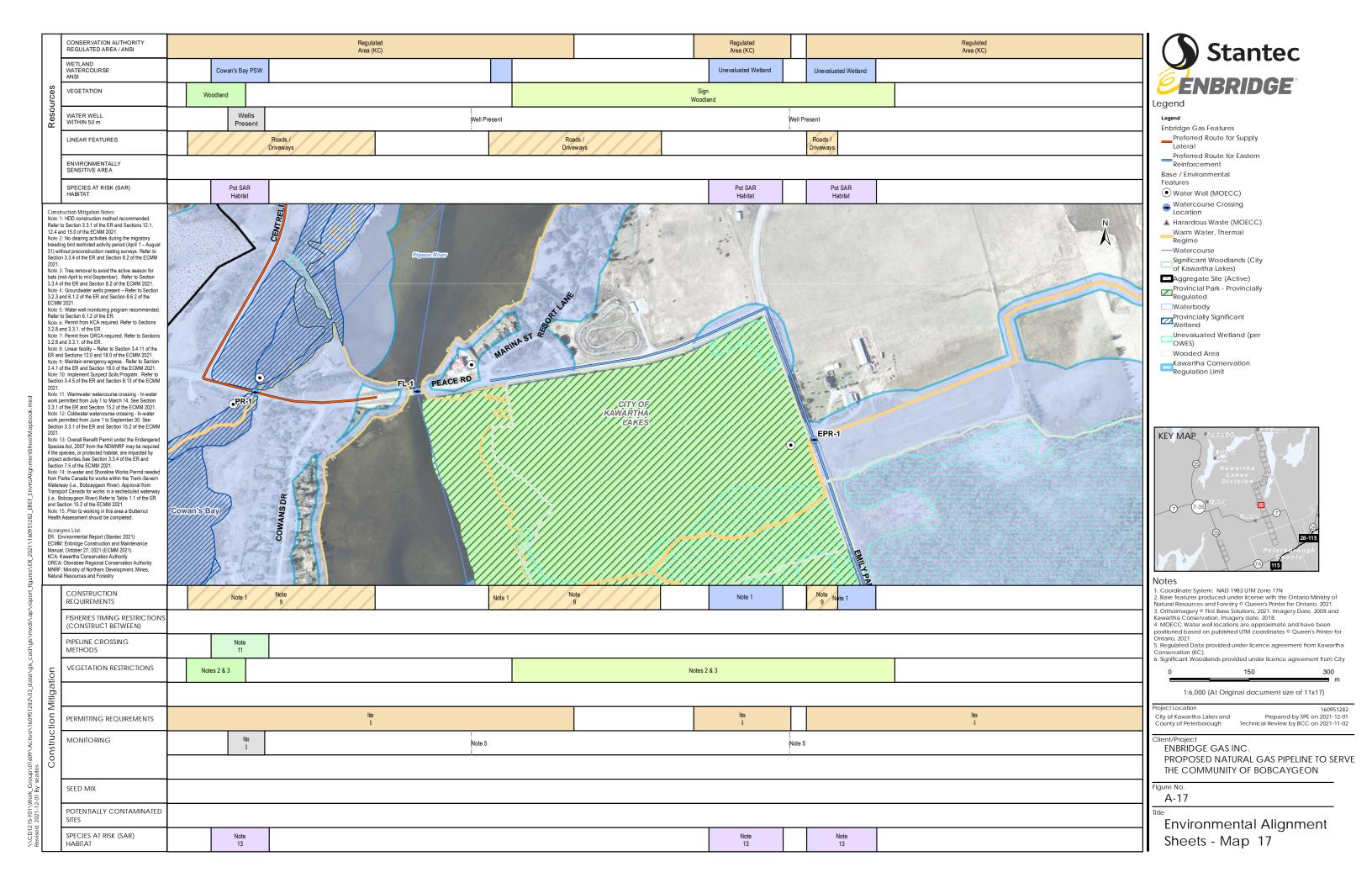
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON





Preferred Route for Eastern

Base / Environmental

Water Well (MOECC)

▲ Harardous Waste (MOECC)

Significant Woodlands (City of Kawartha Lakes)

Provincial Park - Provincially Regulated

____Waterbody

Provincially Significant Wetland

__Unevaluated Wetland (per

Wooded Area

Kawartha Conservation Regulation Limit

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City of Kawartha Lakes and County of Peterborough

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ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON





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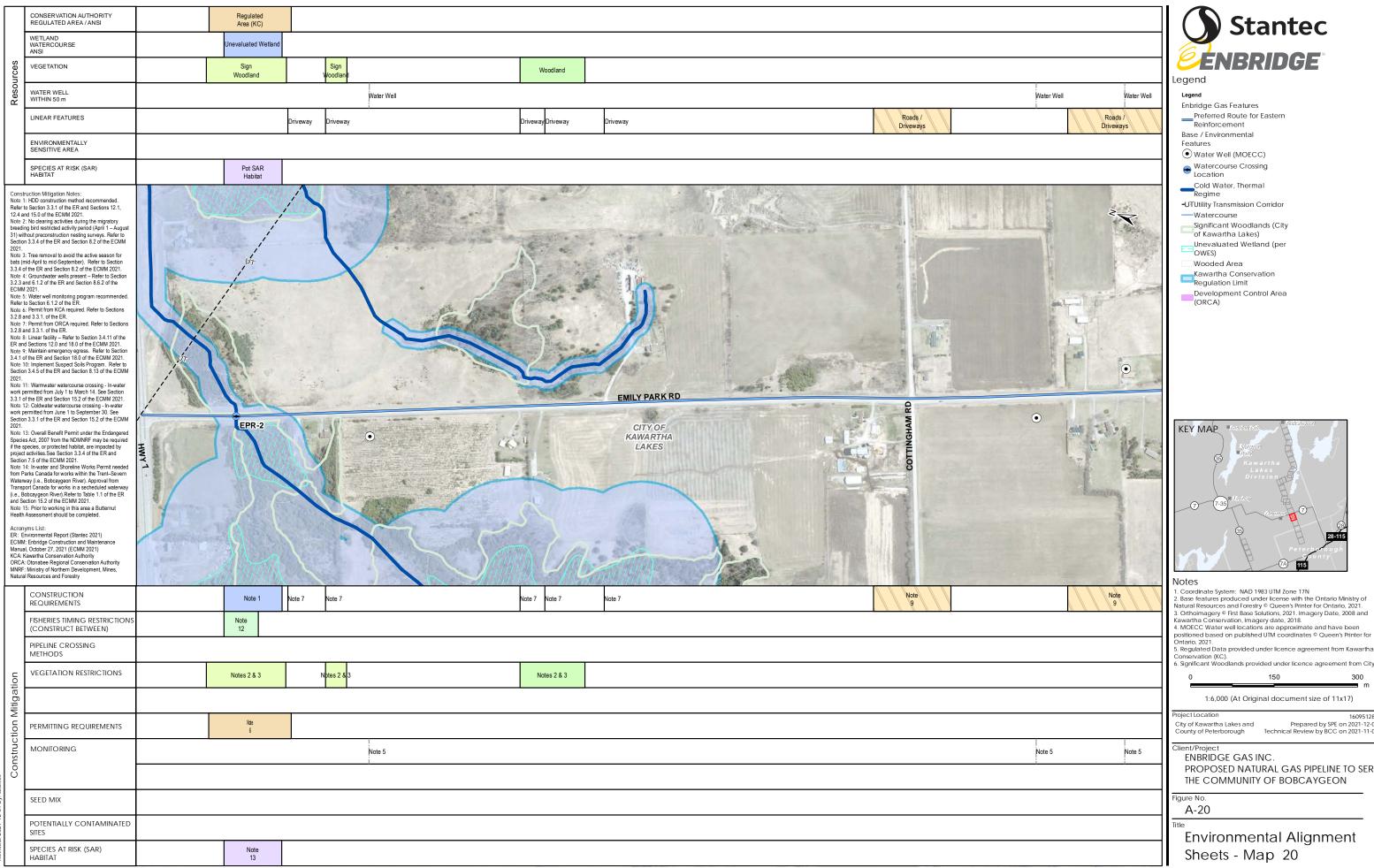
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON





Significant Woodlands (City

Unevaluated Wetland (per



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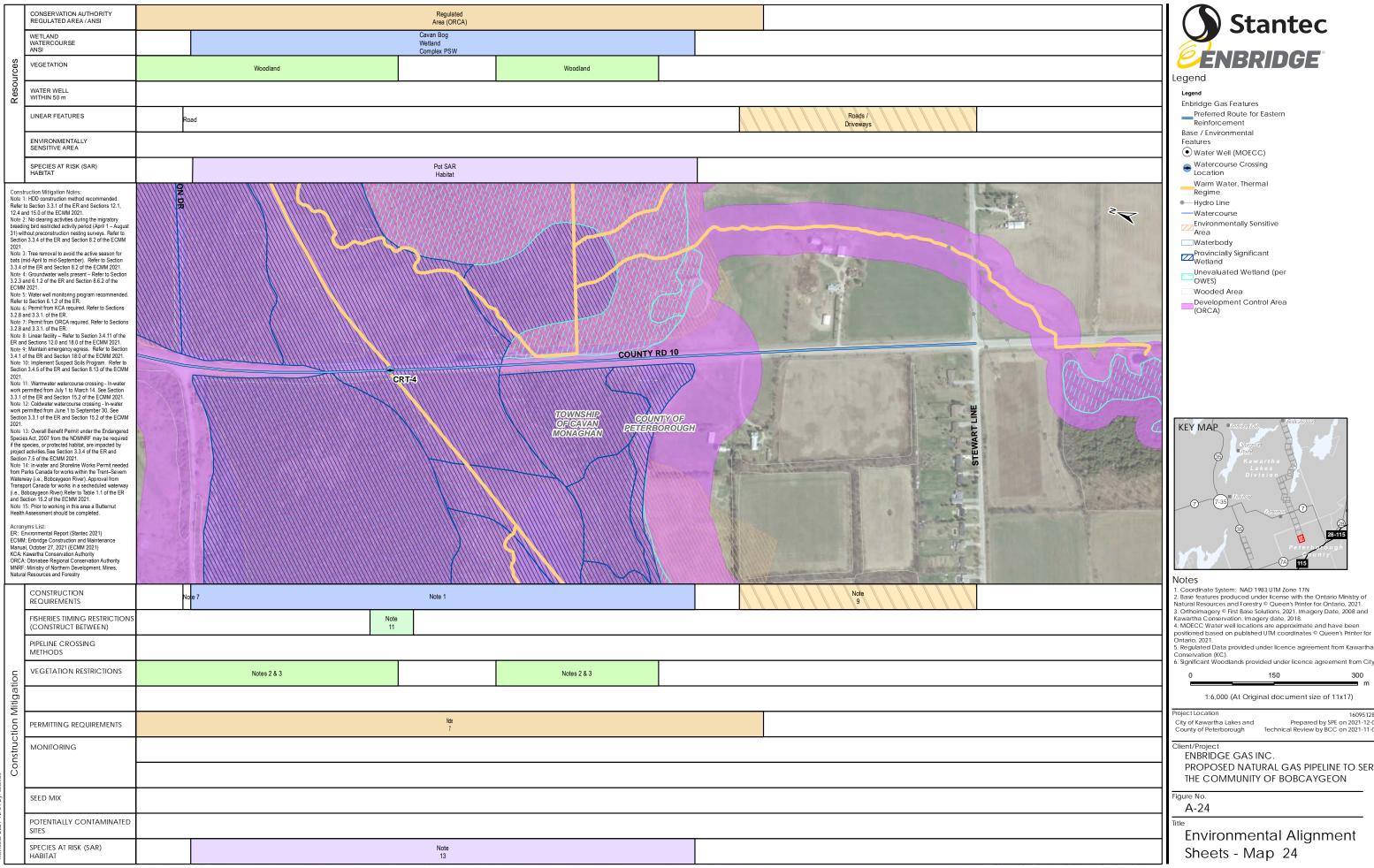
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

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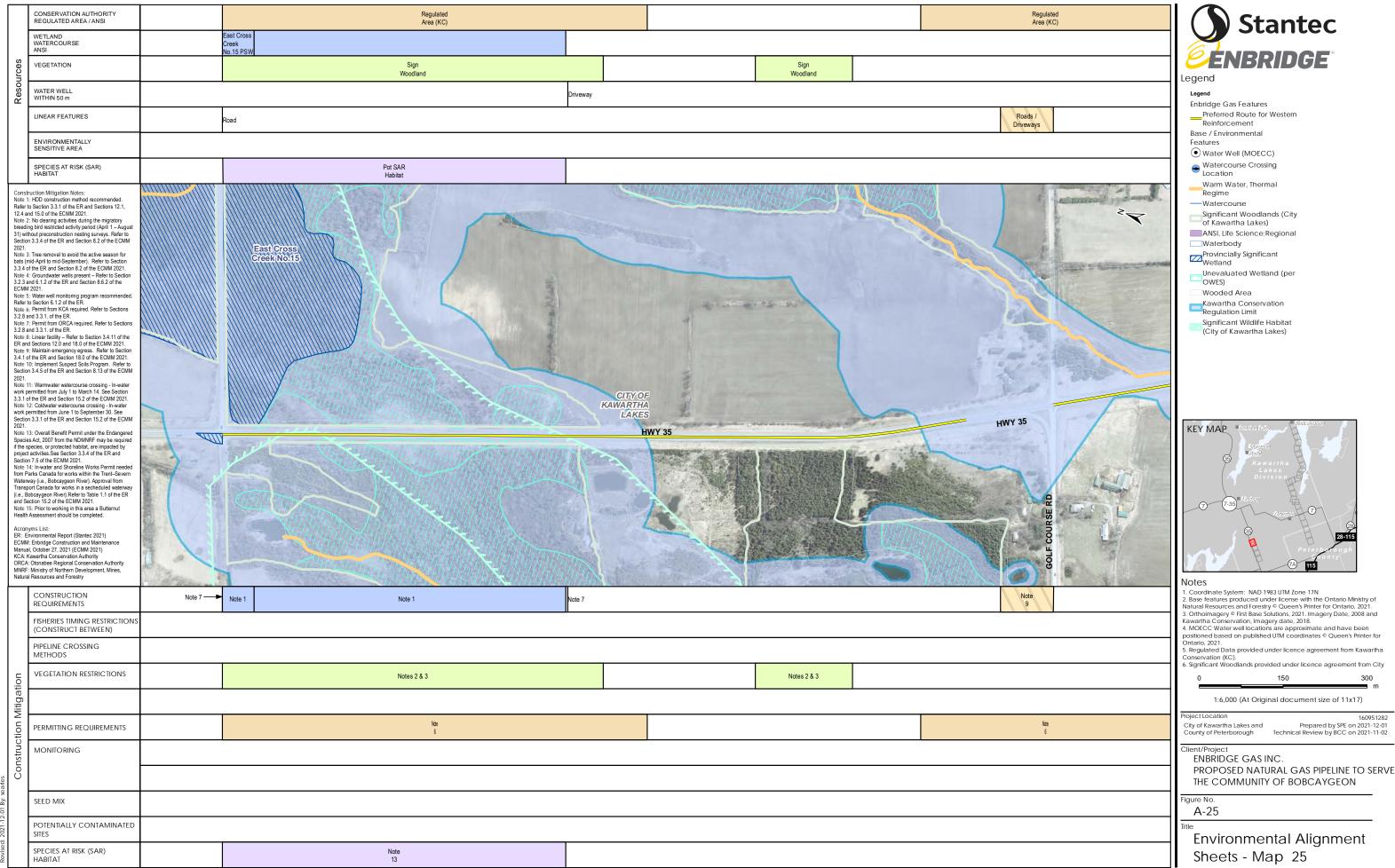
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PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON





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5. Regulated Data provided under licence agreement from Kawartha

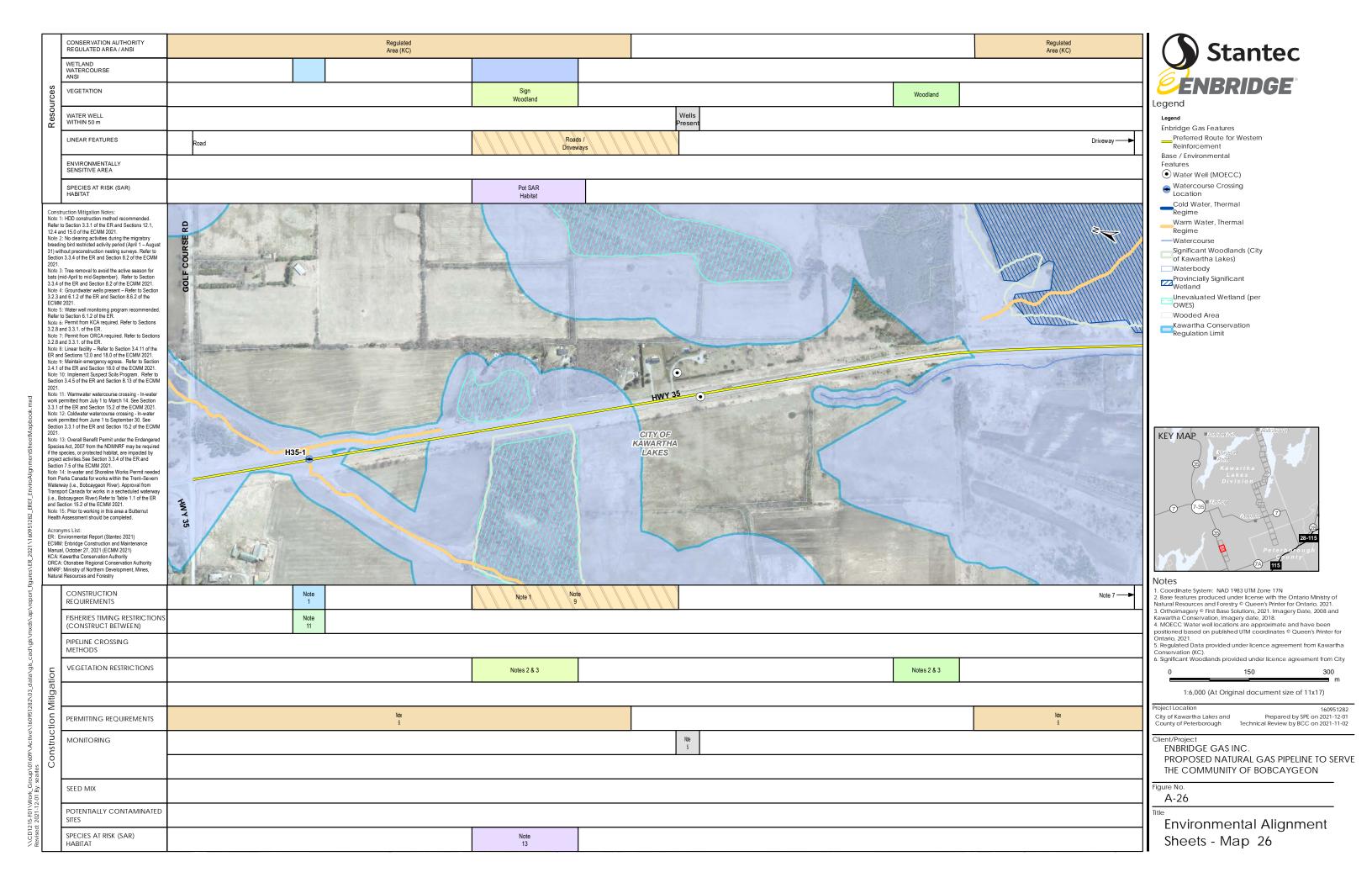
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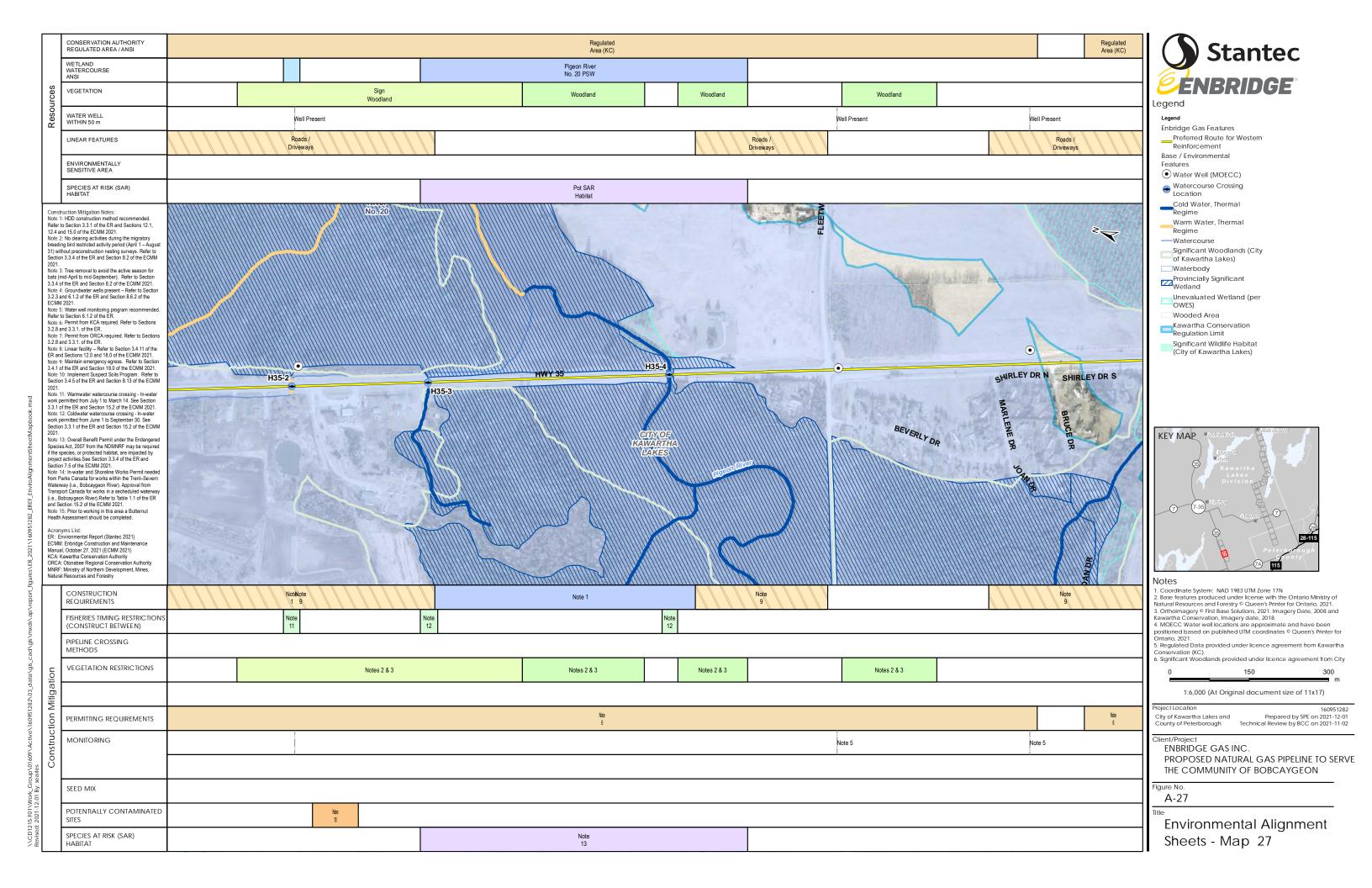
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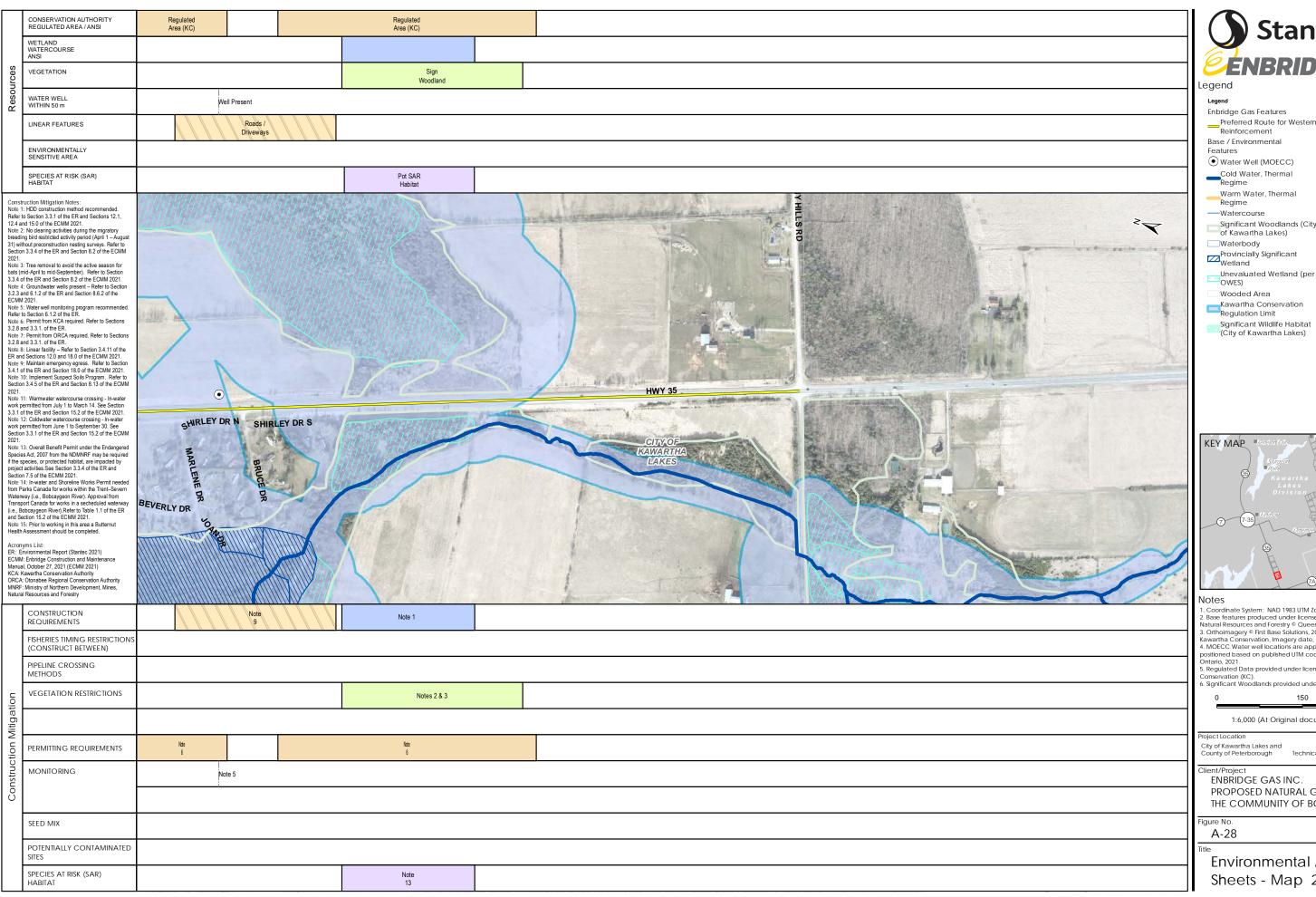
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THE COMMUNITY OF BOBCAYGEON

Environmental Alignment









Preferred Route for Western

Water Well (MOECC)

Warm Water, Thermal

Significant Woodlands (City

Kawartha Conservation

Regulation Limit

(City of Kawartha Lakes)



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City of Kawartha Lakes and

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ENBRIDGE GAS INC.

PROPOSED NATURAL GAS PIPELINE TO SERVE THE COMMUNITY OF BOBCAYGEON

APPENDIX H: OFFICIAL PLAN AND ZONING BY-LAW DOCUMENTS

The Natural Core Areas include the following Key Natural Heritage Features and Key Hydrologic Features:

Significant habitat of endangered species, threatened species and special concern species;

Fish habitat and fish spawning area;

Wetlands:

Life Science Areas of Natural and Scientific Interest (ANSIs);

Significant valleylands

Earth Science Areas of Natural and Scientific Interest (ANSI);

Significant woodlands;

Significant wildlife habitat;

Sand barrens, savannahs and tall grass prairies; and alvars;

Permanent and intermittent streams;

Lakes;

Seepage areas and springs, and wetlands; and,

A 30 metre vegetative buffer around these features.

Certain significant Natural Heritage Features are shown in greater detail on Schedules B and B-1 to this Plan.

6.3.1 Objectives

It is the objective of this designation to:

- a) Prohibit development or site alteration within Key Natural Heritage Features and Key Hydrologic Features; and,
- b) Preserve and maintain the environmental features and functions of the 30 metre vegetative protective buffer area.

6.3.2 Permitted Uses

The permitted use of land in the Natural Core Areas designation on Schedules A and A-1 shall include:

- a) Existing agricultural operations;
- b) Forest, wildlife and fisheries management;
- c) Watershed management and flood and erosion control projects carried out or

- supervised by a public agency but only if they have been demonstrated to be necessary in the public interest after all alternatives have been considered;
- d) Transportation, infrastructure, and utilities, but only if the need for the project has been demonstrated and there is no reasonable alternative;
- e) Passive low intensity recreational uses, such as nature viewing and pedestrian trail activities;
- f) Archaeological activities;
- g) Single-detached dwellings and accessory uses on existing lots of record if it is demonstrated that:
 - There is no alternative and the expansion, alteration or establishment is directed away from the feature to the maximum extent possible;
 - ii) The impact of the expansion or alteration on the feature and its functions is minimized to the maximum extent possible; and,
 - iii) The expansion or alteration is not located in a floodplain or erosion hazard area.
- h) Home-based business as an accessory use; and,
- Existing agricultural operations and expansions to existing agricultural buildings and structures and accessory uses within Key Natural Heritage Features and Key Hydrologic Features if it is demonstrated that:
 - There is no alternative and the expansion, alteration or establishment is directed away from the feature to the maximum extent possible; and,
 - ii) The impact of the expansion or alteration on the feature and its functions is minimized to the maximum extent possible.



PART D

28. INFRASTRUCTURE AND SERVICE POLICIES

28.1. GOAL:

- To plan for growth that takes into account the availability and location of existing and planned community infrastructure so that infrastructure can be provided efficiently and effectively.
- To develop a transportation system that is safe, convenient, efficient and accessible.

28.2. OBJECTIVES:

- Maintain and enhance the level of services consistent with the social integrity, economic costs, demand and growth projections while ensuring environmental integrity.
- Encourage intensification by locating urban development where servicing costs are minimized and use is maximized. Avoid premature service and utility extensions and locate development where municipal services exist or where they can be logically and economically extended.
- Provide and improve hard services such as sidewalks, curbs, gutters, roads, sewers, water mains and street lighting to applicable standards that are appropriate to the location.
- Use all reasonable and cost effective opportunities to encourage innovative and efficient use of services.
- Identify and give priority to servicing improvements and the reduction of deficiencies which, if improved, assist in stimulating economic development and create long-term employment opportunities.
- Protect and enhance existing communication and transmission corridors and networks, and encourage the development and maintenance of modern telecommunications infrastructure to serve businesses and residents.
- Develop a transportation system strategy which will emphasize safety, convenience and efficiency and which will address the multiple forms of transportation found in the City including roads, waterways, trails, pedestrian routes, public transit and the airport.
- Encourage the efficient use of energy with respect to all modes of transportation.
- Link places of employment, education, cultural and community activities by safe and
 efficient pedestrian routes. Provide a pedestrian and cycling environment for all
 members of the community.
- Encourage the protection of abandoned rail corridors for public uses.



- Ensure that the City continues to play a role in the provision of special needs transportation.
- Ensure the provision, maintenance and expansion of adequate off street parking facilities in downtown areas, and promote effective utilization of existing resources and explore opportunities to provide staging and/or parking areas for links to alternative modes of transportation.
- Ensure that the network of roads serving the City is co-ordinated with the Provincial Highway system and where necessary, adjacent municipalities.
- Ensure the continual maintenance, improvement and development of the system of municipal roads, including arterial, collector and local roads and aggregate haul routes, in a manner which minimizes the disruption to residential neighbourhoods and results in a derived benefit for all residents of the City and enhances the economic function of commercial and industrial areas.
- Ensure sufficient internal and external transportation opportunities by exploring new or expanded coach, air, commuter rail and/or shuttle services to serve the needs of community members and the travelling public.

28.3. POLICIES

Water and Sewage Facilities

- 28.3.1. Where communal water services are required for residential development, Council will determine if they will allow the establishment of a communal well that is subject to the Safe Drinking Water Act. & current legislation.
- 28.3.2. Written consent in the form of a Responsibility Agreement with the municipality is required for non-municipal communal wells that serve six or more private residences. The Municipality will require financial assurances as a part of the Responsibility Agreement and a detailed hydrogeological study that has been peer reviewed by the City to ensure that the water supply has sufficient quantity and quality of water and that the soils are suitable for the proposed sewage disposal systems and that cross contamination will not take place.
- 28.3.3. Large subsurface sewage disposal systems with a design capacity of greater than 10,000 litres per day and new sewage works require approval under the Ontario Water Resources Act.
- 28.3.4. The City operates a number of small systems. Small systems are generally not cost efficient to operate, maintain and monitor. Until the City has completed a City wide servicing master plan, no new water or sewage systems will be assumed. The serving plan will incorporate recommendations that Council can use to develop policies for assuming new water or sewage systems.



- 28.3.5. Municipal water wells, water storage facilities, water supply and water pollution control plants and water and sewage pumping stations may be allowed in any designation.
- 28.3.6. No new on-site wastewater system will be permitted within 100m of a lake or permanent stream within the Lake Simcoe Watershed except under the provisions of the Lake Simcoe Protection Plan.
- 28.3.7. No new non-municipal sewage treatment plant shall be established in the lake Simcoe Watershed unless it conforms to the Lake Simcoe Protection Plan.
- 28.3.8. It is anticipated for the Ministry of Environment to release guidelines with regard to sufficient treatment capacity for hauled sewage from private communal sewage services and individual on-site sewage services. Once these guidelines are released it shall be the intent of the County to consider amendments to the Official Plan to be consistent with the Sewage and Water policies of the Provincial Policy Statement.

28.4. SERVICING FOR NEW DEVELOPMENT

- 28.4.1. All new development with six or more residential dwellings or lots shall be on full municipal systems. The exception is within the Hamlet and Waterfront designations, provided the designation boundaries are not being expanded. Within the Hamlet and Waterfront designations, the development shall be based on the level of services that are provided within the hamlet or waterfront area. The area covered by DP8 (Longford reserve) is exempted from this policy.
- 28.4.2. An industrial or commercial use will be considered to be dry if the on site sewage-disposal facilities are primarily for the use of employees and no industrial liquid wastes, or washing, cooling or processing water is discharged into the subsurface sewage disposal systems. Development of the land by consent, plan of subdivision or condominium shall not be approved until such time as a hydrogeological report has been submitted which demonstrates to the satisfaction of the City the capacity of the site to support private, individual water supply and sewage disposal systems. Zoning of the subject land may be placed in a Holding category to prohibit development until the required hydrogeology report has been approved by the City.
- 28.4.3. A development that is seasonal may have a communal system if it is held under single ownership and the units or vacation dwellings have a limitation on the length that a person may reside within the development.
- 28.4.4. Individual services are permitted for lots created by consent within the Prime Agricultural, Rural, and Waterfront Designations.



28.5. WATER AND WASTEWATER MANAGEMENT SYSTEMS

- 28.5.1. Council shall only consider the construction of new, or expansion of existing, municipal or private communal water and wastewater systems where the following conditions are met:
- 28.5.2. strategies for water conservation and other water demand management initiatives are being implemented in the existing service area;
- 28.5.3. plans for expansion or for new services are to serve growth in a manner that supports achievement of the intensification target and density targets in this Plan;

28.6. TRANSPORTATION

- 28.6.1. The City of Kawartha Lakes will provide for the establishment of priority routes for goods movement, where feasible, to facilitate the movement of goods into and out of areas of significant employment, industrial and commercial activity and to provide alternate routes connecting to the provincial network.
- 28.6.2. Land uses will be planned in the vicinity of, transportation facilities such as inter-modal facilities, rail yards, airports, dockyards, and major highway interchanges that are compatible with, and supportive of, the primary goods movement function of these facilities.
- 28.6.3. Local roads provide access to lots and serve low volumes of traffic and are generally 20 metres in width.
- 28.6.4. Arterial Roads provide for medium volumes of traffic. In the rural areas, a right of way of 26 metres will be required for higher volume traffic areas.
- 28.6.5. There are a number of local roads that are maintained seasonally. The City will not encourage new development on these roads unless the new development contributes to upgrades to the road to bring it up to a year round municipal standard.
- 28.6.6. There are a number of private roads throughout the City. The City will require these to be upgraded prior to being assumed by the City. The roads right of ways should have a minimum width of 20 metres. Alternatively, the road could be part of a condominium whereby the abutting property owners would be responsible for the capital cost to upgrade the road and maintaining it.



- 28.6.7. Where lots do not have direct access onto a maintained year round municipal road or provincial highway, the City will not permit development to take place. This provision will be incorporated into the zoning by-law. The exceptions to this provision, are when:
 - the lot is zoned Limited Service;
 - the lot is within a plan of subdivision where the road is to be assumed by the municipality as provided for in a subdivision agreement;
 - the land owner has entered into an agreement or licence with the City for maintenance and/or construction of the road; or
 - access will be over a road that is part of a condominium where the owner of the lot or unit is a member of the condominium.
 - The area is within DP8 (Longford Area) except if application for consent, subdivision or condominium is made.
- 28.6.8. Pedestrian and bicycle networks will be integrated into transportation planning, where feasible, to:
 - provide safe, comfortable travel for pedestrians and bicyclists within existing communities and new development; and
 - provide linkages between intensification areas, adjacent neighbourhoods, including dedicated lane space for bicyclists on major street network where feasible.
 - Promote and support travel demand management initiatives to reduce the dependence on the single occupant vehicle (healthy community policy).

28.7. PROVINCIAL HIGHWAYS

- 28.7.1. Highways 7, 7A, 35 and 115 provide a major means of access through the City linking it to other parts of the province. An extensive planning study is nearing completion for potentially providing a four lane divided Highway from the intersection on 35/115 to Highway 7 just south of Lindsay.
- 28.7.2. In addition, a planning study is nearing completion for work on Highway 7 in the vicinity of Lindsay. The Highway 7 planning study along the eastern boundary of the City for the section from Fowlers Corners southerly, has also been completed with a four-laning plan. The Province has determined the route of the extension of Highway 407 to link with highway 115 south of the existing Highway 115/35 intersection. There is a need to increase the protection of the highway corridors to ensure the highway integrity is not jeopardized from the impacts of development.
- 28.7.3. All development proposals located adjacent to or within the permit control area of the MTO must obtain MTO approval prior to any construction being undertaken. Depending on the scope of the project, a site plan, Traffic Impact Study and Stormwater



Management Report may be required for MTO review. Depending on the specifics of the site, additional information or studies may be required by the MTO.

- 28.7.4. Provincial Highways will be identified with provision to expand to meet future needs through widening, realignment and creation of multiple lane controlled access highways.
- 28.7.5. All provincial highways located within the City of Kawartha Lakes fall under the jurisdiction of the Ministry of Transportation. The provincial highway system will continue to preserve the long-term safety and operating viability of the Provincial highway system to ensure the most effective movement of people, and goods and at the same time protect the investment in existing and future transportation infrastructure. Access to any development shall be, as far as possible, via a local road system to preserve the operating viability of the Provincial Highway System. If direct access onto a Provincial Highway is necessary, entrance permits shall be obtained from the Province. The issuance of permits for entranceways to a Provincial Highway is solely within the discretion of the Province.
- 28.7.6. Entrance permits granted to one property for access to a Provincial highway shall not be deemed to provide access to the Provincial System to any other property unless specific permission is granted by MTO. Generally, MTO requires that each property has its own access and that any new access only be at public road entrances that meet the spacing requirements of the MTO.
- 28.7.7. Only those land uses that are compatible with the operation of a MTO Patrol Yard will be permitted to locate adjacent to the MTO Patrol Yard.

28.8. AIRPORT

This
Section
Under _
Appeal.
See
Appendix
K

- 28.8.1. Development adjacent to the Lindsay airport and in particular sensitive land uses that are not compatible should be prohibited in order to protect and to provide for any expansion. Such expansions include the extensions of the runways for aircraft approaches and take off.
- 28.8.2. An Airport Master Plan was completed in 2002. The purpose of this Plan was to provide guidelines for the orderly long-term development of the Airport's lands, operation and facilities. Guidelines of this Plan included satisfying present and future aviation demand in a financially responsible manner, while considering environmental and socioeconomic issues.
- 28.8.3. The City's objective for the Airport is to provide the residents and businesses of Kawartha Lakes with access to convenient and cost effective air transport services in a socially and fiscally responsible manner; while being progressive in its efforts to promote, develop and upgrade the Airport's lands and facilities.



28.9. RAIL LINES

- 28.9.1. The existing rail line will be recognized with provisions for new lines to be established to meet the future requirements of the City.
- 28.9.2. Council will encourage increased use of the existing rail line from Peterborough to Toronto through Pontypool, in particular for passenger service.
- 28.9.3. Although a number of rail lines have historically been abandoned, the City will encourage the establishment or reestablishment of rail lines to meet the future requirements of the City.
- 28.9.4. The establishment of a new rail line will not necessitate an amendment to this Plan.

28.10. TELECOMMUNICATION AND UTILITY INFRASTRUCTURE

- 28.10.1. Council shall ensure that adequate utility networks are, or will be, established to serve the anticipated development and that these networks can be phased in a manner that is cost-effective and efficient.
- 28.10.2. All utilities, including telecommunications, shall be planned for and installed on a coordinated and integrated basis in order to be more efficient, cost effective and minimize disruption. All large, above-ground utility infrastructure located and designed to be compatible with its environment.
- 28.10.3. Council supports the coordinated planning and installation of utilities in initial common trenches, wherever feasible, to avoid unnecessary over-digging and disruption of municipal rights of way.

e) aquifers and recharge areas.

Hydrological functions: the functions of the hydrological cycle that include the occurrence, circulation, distribution and chemical and physical properties of water on the surface of the land, in the soil and underlying rocks, and in the atmosphere, and water's interaction with the environment including its relation to living things.

Hydrological integrity: the condition of ecosystems in which hydrological features and hydrological functions are unimpaired by stresses from human activity.

Impervious surface: a surface that does not permit the infiltration of water, such as a rooftop, sidewalk, paved roadway, driveway or parking lot.

Industrial equipment rental establishment: any premises where industrial equipment is kept for rental to the general public and/or contractors.

Industrial use: premises used for the processing of goods and materials, the indoor warehousing of goods and materials, the assembly of manufactured goods, the manufacturing of goods, the repair and servicing of goods and similar uses, research laboratories, and printing establishments, but does not include a motor vehicle repair garage, a motor vehicle body shop or a motor vehicle gas bar.

Infrastructure: physical structures (facilities and corridors) that form the foundation for development. Infrastructure includes: sewage and water systems, septage treatment systems, stormwater management systems, waste management systems, electricity generation facilities, electricity transmission and distribution systems, communications/telecommunications, transit and transportation corridors and facilities, oil and gas pipelines and associated facilities.

Kame: a mound, hummock or conical hill of glacial origin.

Kennel: a premises where dogs or cats are maintained, boarded, trained, bred or cared for in return for remuneration or kept for the purposes of sale, and may include enclosed outdoor exercise areas or pens.

Kettle lake: a depression formed by glacial action and permanently filled with water.

Key hydrologic feature: a key hydrologic feature as described in Section 26 of the Oak Ridges Moraine Conservation Plan.

Key natural heritage feature: a key natural heritage feature as described in Section 22 of the Oak Ridges Moraine Conservation Plan.

Landscaping: an area of land that is the site of trees, shrubs, flowers, grass or other horticultural elements, decorative stonework, screening or other architectural elements, and

The Corporation of the City of Kawartha Lakes

By-Law 2017-143

A By-Law to Amend the City of Kawartha Lakes Official Plan respecting lands within the City of Kawartha Lakes

[File D01-15-005, Report PLAN2017-039 - Bobcaygeon Secondary Plan]

Recitals:

- 1. Sections 17, 21 and 22 of the *Planning Act, R.S.O. 1990, c. P.13,* authorize Council to consider the adoption of an amendment to an Official Plan.
- Council has received the Community Secondary Plan for the Bobcaygeon settlement area.
- 3. A public meeting to solicit public input has been held.
- 4. Council deems it appropriate to adopt Official Plan Amendment Number 14.

Accordingly, the Council of The Corporation of the City of Kawartha Lakes enacts this By-law 2017-143.

Section 1:00 Official Plan Amendment Details

- 1.01 <u>Property Affected</u>: The lands affected by this By-law are identified as the settlement area of Bobcaygeon.
- 1.02 <u>Amendment</u>: Amendment No. 014 to the City of Kawartha Lakes Official Plan attached hereto and forming a part of this By-law is hereby adopted.

Section 2:00 Effective Date

2.01 <u>Force and Effect</u>: This By-law shall come into force and take effect on the date it is finally passed, subject to the approval of the City of Kawartha Lakes in accordance with the provisions of Section 17 and 22 of the Planning Act, R. S. O. 1990, c. P.13.

By-law read a first, second and third time, and finally passed, this 27th day of June, 2017.

Andy Letham, Mayor

Judy Currins, Clerk

Official Plan Amendment No. 014 - Bobcaygeon Secondary Plan



City Of Kawartha Lakes

Official Plan Amendment No. 014

Bobcaygeon Secondary Plan

November 18, 2015



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Part 1 - Preamble

Part 1 – Preamble is not part of the Official Plan Amendment.

Purpose of the Amendment

1.1 Introduction

In 2011, the City of Kawartha Lakes initiated the Secondary Plans for five settlement areas: Bobcaygeon, Fenelon Falls, Lindsay, Omemee and Woodville. The Secondary Plans identify effective and efficient development patterns and opportunities, and take into account current municipal conditions, reflect Provincial land use planning policy as outlined in the 2014 Provincial Policy Statement (PPS), and co-ordinate with and implement the policies of the City of Kawartha Lakes Official Plan (OP).

1.2 Overall Purpose of the Amendment

The purpose of this amendment is:

- 1. to include new Secondary Plan policies for the community of Bobcaygeon in the City of Kawartha Lakes Official Plan. The Secondary Plan includes both maps and policies for growth management, intensification and housing, economic development, community facilities, parks and open spaces and trail systems, downtown development, sustainable development, urban design, natural heritage, cultural heritage, transportation and parking, servicing, and land use. The overall purpose of the Secondary Plan is to provide a long term vision that will provide guidance and direction in the management of land and the environment within the settlement area of Woodville; and,
- 2. to update and introduce new land use designations within the urban settlement area of Bobcaygeon.

In addition to this, the secondary plan has been prepared to meet a number of key Provincial and local policies, including the Provincial Policy Statement, the Growth Plan for the Greater Golden Horseshoe and the City of Kawartha Lakes' Official Plan.

Location

Bobcaygeon is located where CKL Road 8 and CKL Road 36 intersect, approximately 36 kilometres northeast of Lindsay. Its secondary plan boundary covers approximately 7 sq. km. Bobcaygeon is located between two of the largest lakes in the City of Kawartha Lakes: Pigeon Lake to the east and Sturgeon Lake to the west. Bobcaygeon River crosses the settlement area, connecting Sturgeon Lake and Pigeon Lake and

forming several islands that constitute the central part of the community. Bobcaygeon is home to Lock 32, which is the first lock on the Trent-Severn Waterway within the City's limits.

Basis of the Amendment

1.3 Provincial Policy Statement and Growth Plan for the Greater Golden Horseshoe

The 2014 Provincial Policy Statement (PPS) provides policy direction on matters of provincial interest related to land use planning and development. It sets the policy foundation for regulating the development and use of land in Ontario. All decisions affecting land use planning matters shall be consistent with the PPS. The principles established in the PPS have been used as a guide when creating the Secondary Plans for Kawartha Lakes' five settlement areas.

The Growth Plan for the Greater Golden Horseshoe (the Growth Plan) has been prepared under the Places to Grow Act, 2005. It is a framework for implementing the Government of Ontario's vision for building stronger, prosperous communities by better managing growth in the Greater Golden Horseshoe to 2031. The Growth Plan guides decisions on a wide range of issues — transportation, infrastructure planning, land-use planning, urban form, housing, natural heritage and resource protection.

The Growth Plan builds on other key government initiatives including the PPS. It does not replace municipal official plans, but works within the existing planning framework to provide growth management policy direction for the GGH.

The City of Kawartha Lakes is one of a number of municipalities located within the "outer ring" of the Growth Plan's area. The Growth Plan includes a growth concept and identifies Lindsay with a built boundary and designated Greenfield area. The Ministry of Public Infrastructure and Renewal also established a built boundary for settlement areas within the City of Kawartha Lakes. The urban settlement areas identified include Lindsay, Fenelon Falls, Bobcaygeon, and Omemee. Woodville was identified as an undelineated built-up area. The Growth Plan's policies have guided the development of the secondary plan policies for the Kawartha Lakes' four settlement areas and one undelineated built-up area.

1.4 City of Kawartha Lakes Official Plan

The approved City of Kawartha Lakes Official Plan includes land use policies for urban settlement areas. Bobcaygeon, Fenelon Falls, Lindsay, Omemee and Woodville are all designated as urban settlement areas. The OP outlines that until secondary plans are

adopted for these areas, policies included in the OP will apply in these areas. The OP policies are consistent with the provincial policies outlined in the section above.

The OP provides strategic directions, goals, objectives and policies for designated land use areas and establishes policies for physical infrastructure and human services. The Official Plan reflects the Community's Strategic Plan's vision for the City of Kawartha Lakes and recognizes that the City as a community of vibrant communities. The Official Plan's goals for the urban settlement designation is to manage growth through efficient land use and development that supports strong, liveable and healthy communities, protects the environment and public health and safety and facilitates economic growth.

The City of Kawartha Lakes Official Plan provides a policy framework and urban structure plan; however, area-specific guidance for growth, development, and conservation of resources remains key subject matter for the secondary plan. This amendment has been prepared in accordance with the policies of the Official Plan for the City of Kawartha Lakes.

1.5 Central Issues and Opportunities for Bobcaygeon

- Bobcaygeon is a small community located on the Trent-Severn Waterway and is seen as the "Hub of the Kawarthas".
- For Bobcaygeon, initial feedback suggested that its Secondary Plan should not overlook its quality main street, walkable scale, and sense of being a safe community.
- Growth is possible in Bobcaygeon as it has access to full municipal water and sewer services with capacity to accommodate additional population and employment.
- Managed growth will provide opportunities for Bobcaygeon to develop and intensify within its urban boundary.
- The population level in Bobcaygeon during the summer months is much higher than its permanent population given the large seasonal and tourist population. This increase in population can cause a strain in Bobcaygeon infrastructure, particularly on the transportation infrastructure (e.g. traffic congestion and lack of parking).
- The majority of the opportunities for growth in Greenfield areas consist of draft approved and proposed developments located around the perimeter of the urban area
- The majority of the intensification opportunities are located north of downtown Bobcaygeon.

- Bobcaygeon has a large downtown for its population size, with many of the businesses catering to the tourist and seasonal resident market. The downtown has many buildings with cultural heritage value or interest representing Victorian era architecture.
- Bobcaygeon is home to Lock 32 on the Trent-Severn Waterway. The downtown, waterfront recreational, and lock areas are very active with tourists and boaters in the summer months.
- Much of the economic activity in the community is directly linked to tourism. The local economy is also based on retail, real estate and recreational activities.
- Waterfront land in Bobcaygeon is under high demand for permanent and seasonal residences and for tourist resorts and facilities.
- The Bobcaygeon River crosses the settlement area, connecting Sturgeon Lake and Pigeon Lake and forming several islands that constitute the central part of the community.
- The central section of the Bobcaygeon River area has been identified by the Ministry of Natural Resources and Forestry as a spawning area for walleye.
- Parks and open space are significantly tied to shoreline. Many of the waterfront trails and access in Bobcaygeon are in disrepair and in need of investment. Continuous waterfront trails and access need to be created and maintained for year round use.
- Bobcaygeon Beach Park, located west of the downtown is in need of improvement to its parking lots, boardwalks, supporting facilities and sand. Without this reinvestment, public access to the water is very limited to only a few dock locations.
- According to the Transportation Master Plan (February 2012), additional parking spaces will be required for Bobcaygeon either through in on- or off-street parking areas. In view of the limited curb space in the downtown area, it is anticipated that most of the future parking spaces will be provided by surface parking in off-street areas.

Part 2 – The Amendment

Part 2 – The Amendment constitutes Amendment No. 014 to the City of Kawartha Lakes Official Plan – 2012.

The City of Kawartha Lakes Official Plan is amended by adding the following text together with the following maps/schedules:

- 1. Schedule F-2 Bobcaygeon Land Use
- 2. Schedule G-2 Bobcaygeon Environmental Constraints
- 3. Schedule H-2 Bobcaygeon Transportation

Section 31.3 Bobcaygeon Secondary Plan

31.3.1. Vision, Goals, And Strategic Directions

The Vision, Goals, and Strategic Directions of the Bobcaygeon Secondary Plan are as follows:

31.3.1.1. Vision

The Secondary Plan for Bobcaygeon is based upon, and future development should be guided by, the following vision developed based on the input from community consultation activities in Bobcaygeon:

"Over 20 years Bobcaygeon will continue to develop and grow as a healthy settlement area, maintain its unique identity and village feel, preserve its natural heritage, maintain small local independent businesses and will remain the 'Hub of the Kawartha's".

31.3.1.2. Goals

The following goals were identified for Bobcaygeon:

- a) To outline a vision for Bobcaygeon's long-range physical development that reflects the aspirations of the community and ensures the social, economic, and environmental well-being of Bobcaygeon;
- b) To provide strategies and specific implementing actions that will allow the vision to be accomplished;
- c) To provide a basis for City staff when reviewing specific development proposals and ensure that public projects are in harmony with this Plan's policies;
- d) To provide guidance for the City, other public agencies, and property owners to coordinate and design projects that will enhance the character of the community;
- e) To provide land use designations for the Bobcaygeon settlement area; and,
- f) To engage the public on issues related to development in Bobcaygeon.

31.3.1.3. Strategic Directions

Strategic directions give specific purpose to the policies of this Plan. The following strategic directions were identified for Bobcaygeon:

- a) Improve the planning framework with stronger definitions to guide growth;
- b) Improve the land use planning framework and create a more defined Secondary Plan to guide the development of the community;
- c) Improve the water quality; and,
- d) Promote a healthy/active community.

31.3.2. General Policies

Growth in Bobcaygeon and this Secondary Plan is based on:

- a) a 2006 population of 3,313 persons and a forecasted 2031 population of 4,625;
- b) 1,325 residential dwelling units in 2006 and a forecasted 2,037 residential dwelling units in 2031; and,
- c) a greenfield mix of 85% low density and 15% medium density residential development.

31.3.2.1. Housing

- 31.3.2.1.1. The priority areas for intensification development in Bobcaygeon shall generally follow the recommendations of the City's Growth Management Strategy (May 2011) and are as follows:
 - a) Infill sites and brownfield sites within the downtown area;
 - b) Sites located along CKL Roads, major arterial, collectors, and within the built-up area; and,
 - c) Sites where there is sufficient servicing capacity to accommodate the proposed development.
- 31.3.2.1.2. Intensification development shall be in accordance with section 18.4 of the Official Plan and section 2.2.3.7 of the Growth Plan.
- 31.2.2.1.3. The City will encourage intensification development along nodes and corridors and in areas that are or will be readily serviced by public service facilities and nearby amenities, and developed to support pedestrian activity.
- 31.3.2.1.4. The development of affordable housing will be in accordance with the relevant policies of Section 5 and 18 of the Official Plan.

31.3.2.1.5. Secondary suites will be permitted within single, semi- detached, and townhouse dwelling units where residential dwellings are permitted as a use, as appropriate.

31.3.2.2. Economic Development

31.3.2.2.1 The City will support the creation of a pro-active economic development strategy for Bobcaygeon and will work with stakeholders and local residents to define a community improvement area for Bobcaygeon's downtown and to develop a Downtown Community Improvement Plan in accordance with Section 9 of the Official Plan.

31.3.2.3. Parks and Open Spaces and Trail Systems

- 31.3.2.3.1. The City shall implement a program to improve the connectivity and access points of Bobcaygeon's waterfront parks and open space network and to enhance existing parks and open spaces. This strategy shall also include the provision of a pedestrian and cycling network, including adequate bicycle racks, with an emphasis on connecting the parks and open spaces by the waterfront to the downtown core.
- 31.3.2.3.2. The City shall develop and implement a strategy to improve and expand the trail network along the waterfront and to maintain it for a year round use. The trail shall be multi-use and improve access to the shoreline, parks and open spaces, and help to advance active transportation opportunities in the community. Strategic links along existing roads shall be established to provide connections to the shoreline and waterfront parks. Sidewalk improvements and cycling lanes shall be added to local streets where applicable and/or appropriate.
- 31.3.2.3.3. The City shall develop and implement a strategy to improve Bobcaygeon Beach Park, Riverview Park, Tommy Anderson Park, and Henderson Park. Improvements could include enhancements to the parking lots, boardwalks, public restrooms, additional supporting facilities, and improvements to the beach area. Public access to the water should also be maintained through the maintenance of existing docks and enhanced with the addition of more dock locations on the north shore of the lakes.
- 31.3.2.3.4. The City shall work with Parks Canada to implement improvements to the Trent-Severn Waterway amenities to serve visitors and residents. In Bobcaygeon, priority improvements include the provision of new docks with close proximity to the downtown, public washrooms and/or "comfort stations" and parking facilities.

31.3.2.4. Downtown - Central Business District

31.3.2.4.1. Bobcaygeon has a large historic downtown for its population size, with many of the businesses catering to the tourist and seasonal resident market. The central business district consists of two distinct areas: one located north of Big Bob

Channel and one located south of Big Bob Channel. The downtown and waterfront recreational areas are very active with tourists and boaters in the summer months.

- 31.3.2.4.2. New development and infill development in the downtown area should be designed to take into account the following policies and appropriate policies contained in Section 18 of the City of Kawartha Lakes Official Plan:
 - 31.3.2.4.2.1. The downtown is where specialized commercial retail, office, and service uses are focused. As a mixed use area, it functions as the cultural, community and administrative centres of the settlement areas and the entire City of Kawartha Lakes. The city will support investments in the downtown so that it continues to be an attractive destination for residents and visitors, and function as vibrant, mixed-use neighbourhoods linked to the recreation opportunities in, and around, Bobcaygeon.
 - 31.3.2.4.2.2. The City will encourage the improvement and revitalization of the downtown by:
 - a) developing revitalization strategies and/or Community Improvement Plans for the downtown area with a funding strategy to finance capital programs.
 - b) ensuring the improvement and revitalization of the downtown areas by allowing a wide range of commercial, institutional, residential, cultural, social, live/work, entertainment and recreational uses.
 - 31.3.2.4.2.3. Development or redevelopment, including intensification in the downtown area shall preserve, complement and enhance the cultural heritage and/or architectural character of these areas.
 - 31.3.2.4.2.4. The City shall promote and enhance the downtown for local commerce.
 - 31.3.2.4.2.5. It is the policy of this plan to consider urban and community design as an integral component of new development and redevelopment in the settlement areas. The preparation of a set of Urban Design Guidelines for subareas within settlement areas to ensure that new development and redevelopment are attractive and consistent with the Policies of this Plan is encouraged.
 - 31.3.2.4.2.6. It is the policy of this plan to ensure that the design of new development and redevelopment is visually compatible with the surrounding neighbourhood. Compatible housing forms and appropriate transitions shall be developed at the edge of existing residential communities, buildings of cultural

heritage value or interest, historic downtowns and abutting the environmental constraint areas.

- 31.3.2.4.2.7. It is the policy of this plan to ensure that new development and redevelopment considers the range of elements that contribute to an aesthetically pleasing and architecturally appropriate character in the settlement areas. Development proposals shall:
 - a) Incorporate building design that harmonizes with existing development by drawing upon architectural cues such as exterior materials, window and door placement, signage, entranceway design, roof pitch, and exterior architectural trim work.
 - b) Incorporate visual interest through varying building forms and styles along streets and within individual subdivisions.
 - c) Design the street network on the basis of a modified grid pattern, wherever feasible, to provide for ease of movement within the community, encourage walkability, and reduce vehicle trips.
 - d) Avoid the use of cul-de-sacs when designing new internal local road networks, except in instances where environmental features or previous development patterns prevent through-streets.
 - e) Follow the principles of Crime Prevention Through Environmental Design (CPTED), including, but not limited to, site safety and security, natural surveillance, enhanced lighting, visibility from street, well-located and clearly marked building entries, accessibility for emergency services and limited pedestrian and vehicle interface.
- 31.3.2.4.2.8. New development and redevelopment shall preserve and enhance views to the waterfront areas and downtown by ensuring that sight lines are not interrupted. Both public and private development should enhance views by means of built form, landscape design, pedestrian amenity, and public access.
- 31.3.2.4.2.9. New development and redevelopment shall integrate natural and/or naturalized landscapes throughout the community as part of the open space system, when appropriate. The use of natural and/or naturalized landscapes for passive recreation and active transportation shall be encouraged.
- 31.3.2.4.2.10. The design of new development and pedestrian areas, the siting of buildings, and the landscaping should, whenever possible, have regard to proper wind orientation that reduces energy consumption and provides a comfortable level for pedestrians.

31.3.2.4.2.11. New development and redevelopment shall incorporate features such as trees and shelters that provide shade to protect people from sun exposure.

Gateways and Entries

- 31.3.2.4.2.12. Gateway and landmark features, streetscape improvements, landscaping and significant building forms shall be encouraged at the entranceways into the downtown, and should be allocated to major intersections where appropriate. Urban design treatments for gateway and landmark features should include:
 - a) landscaping using various plants, shrubs, and/or trees incorporated into boulevards and ground signage.
 - b) consistent signage and way finding treatments decorative signage and banner poles, use of bollards and unique lighting.
 - c) identifiable paving pattern or symbol for middle of intersection using designed concrete or unit paving.
- 31.3.2.4.2.13. Bridges should be enhanced to play a significant role in identifying the relationship with the downtown and natural heritage corridors. Enhancements can be achieved by:
 - a) Improving pedestrian and cycling circulation to the bridges;
 - b) Ensuring that more translucent materials are used for the bridge barriers;
 - c) By creating architecturally significant bridge abutments; and,
 - d) Incorporation of public art on or on approach to bridge structures.
- 31.3.2.4.2.14. Design of key gateways to the settlement areas shall recognize this function through landscaping and building architecture that emphasizes their corner condition and prominent views.
- 31.3.2.4.2.15. Community institutions and significant natural features should be utilized as landmarks. The street network and views should be developed to facilitate their evaluation as cultural, social and recreational focal areas.
- 31.3.2.4.2.16. Streetscape elements and features, including built features, signage, special paving, lighting and banners, are encouraged to extend beyond gateway and landmark locations to enhance their individual character.

31.3.2.4.2.17. The inclusion of public art in urban squares, parks and pedestrian spaces at gateways is encouraged as a method of reinforcing the focal nature of these spaces.

Built Form

- 31.3.2.4.2.18. Development outside of downtown shall be consistent with the Community Design policies of this plan and/or be subject to area-specific urban design guidelines.
- 31.3.2.4.2.19. New intensification buildings in the downtown should be designed to take into account:
 - a) Traditional architectural style of the many of the downtown buildings;
 - b) Use of traditional building materials and styles, including brick and tall windows;
 - c) Close to zero setback (while providing variation along the street edge);
 - d) Infill buildings stretching to the back of the lot where possible to maximize floor area;
 - e) Design to shelter parking lots located in the rear;
 - f) Entrances addressing the public sidewalk with entrances, glazing, major public areas of building and office components facing the public realm to reinforce the streetscape;
 - g) Directing pedestrian connections from building main entrances to public sidewalks, transit areas and other amenities; and,
 - h) Building heights sensitive to existing development.
- 31.3.2.4.2.20. The development of ground-related street retail within mixed use buildings shall be encouraged to promote active streetscapes. Where other uses (such as office or institutional) occur at grade within the downtown, their design should convey activity at the street level through glazed entrances and windows to public functions and private spaces, where appropriate.
- 31.3.2.4.2.21. Commercial, institutional and employment buildings located with prominent visibility from major arterial roads and main intersections should be designed to establish a distinct, attractive, prestigious image, characterized by good quality architectural design. The character, scale and appearance should complement the adjacent urban form.
- 31.3.2.4.2.22. Lighting of commercial, institutional and employment buildings located within the downtown shall be designed as an integral

component of the overall site design. It should provide safe illumination for pedestrians and motorists and be used strategically to provide a distinct site identity. Illumination of streetscapes adjacent to buildings, parking lots, building accents and signage should be designed together, to create focus and emphasis on site features. Lighting should be designed to reduce light pollution and reflect "dark sky" design principles.

- 31.3.2.4.2.23. The range of signage shall be coordinated, to create an attractive and uncluttered site image.
- 31.3.2.4.2.24. Outdoor storage of goods, if permitted, shall be located to the rear and sides of buildings and screened with walls or architectural screens that coordinate with building architecture. Such screening may be supplemented with landscaping.
- 31.3.2.4.2.25. Commercial, institutional and employment building design shall incorporate appropriate accessibility measures in accordance with the Accessibility for Ontarians with Disabilities Act, the City's Accessibility Plans and Policies, and the Ontario Building Code.

Public Realm and Streetscape

- 31.3.2.4.2.26. Streetscapes shall be designed to promote safety and ease of use of multiple means of transportation, including vehicular, pedestrian, bicycle and transit, when available.
- 31.3.2.4.2.27. Streetscape design shall integrate and coordinate a variety of elements to create visually attractive public spaces and a sense of place. These include appropriate right-of-way width to accommodate landscaping, street trees, decorative paving, lighting, street furniture, signage, double-loaded streets and special corner treatments.
- 31.3.2.4.2.28. The City shall encourage the improvement of streetscapes within the downtown through the use of landscaping including trees, wide sidewalks, bicycle lanes, bicycle parking, special signage, lighting, seating, street furniture, public art, and special paving, and opportunities for seasonal displays and/or seating, which promote a positive sense of place and create a safe and attractive pedestrian environment.
- 31.3.2.4.2.29. Streetscapes at major intersections should be developed with special community features, tree planting and paving to identify these areas as focal locations.

- 31.3.2.4.2.30. Street tree planting shall be included in the design of all streetscapes to contribute to a high quality of landscaping and promote pedestrian comfort and shading opportunities. Tree planting should be continuous and the species, placement and frequency of street trees should be appropriate for the type of street.
- 31.3.2.4.2.31. Sidewalks shall be located to provide uninterrupted and safe pedestrian movement to commercial areas, transit stops and all community amenities, and shall have regard for the space between the building and the roadway in non-residential areas.
- 31.3.2.4.2.32. Design and selection of street lighting, signage and streetscape furniture should be coordinated and should support the character of the local community. Street lighting should follow the "dark sky" design principles, directing sufficient light downward and minimizing light pollution and glare.
- 31.3.2.4.2.33. Streetscape design shall incorporate appropriate accessibility measures in accordance with the Accessibility for Ontarians with Disabilities Act and the City's Accessibility Plans and Policies.
- 31.3.2.4.2.34. The City will work with stakeholders and local residents to define a community improvement area for Bobcaygeon's downtown and to develop a Downtown Community Improvement Plan in accordance with Section 9 of the Official Plan and to consolidate Bobcaygeon's role as a tourism destination.

31.3.2.5. Urban Design

- 31.3.2.5.1. Development shall ensure that views of corridors, vistas and shoreline frontages, with public connections to the open space system, residents and visitor amenities and other public uses are maintained. Buildings located along the shorelines shall have entrances and windows facing the shoreline or facing streetscapes adjacent to open space along the shoreline.
- 31.3.2.5.2. The City will work on the enhancement of Bobcaygeon's entrances in order for travelers to acknowledge their arrival, navigate, and provide sense of place. Five highway gateway opportunities are identified:
 - a) Southern approach CKL Road 36
 - b) South western approach CKL Road 24 Bridge
 - c) Northern approach CKL Road 49 and Main Street
 - d) Eastern approach CKL Road 36 and East Street North
 - e) Western approach CKL Road 8 and West Street

Three areas for directional signage to downtown core are identified:

- a) CKL Road 36 and King Street
- b) CKL Road 49 and Main Street
- c) CKL Road 8 and Duke Street
- 31.3.2.5.3. The City will work on the location of downtown gateways and entry demarcation on major intersections. Urban design treatments in accordance with Section 18.13.8 should be further enhanced with the use of a crest or other identifiable symbol which is strongly associated with Bobcaygeon's history.
- 31.3.2.5.4. The City will work on the improvements to the 3 bridges which cross the river channels and CKL Road 36. Their heights and presence over the channels offer a great vantage point and can also help to orient boaters to the downtown. As bridge improvements are planned, a special effort should be made to allow for a unique architectural design for the two northern Main Street spans between the swing bridge and market square. These could be elements along the abutments or an overarching trellis. These special features will help define the bridge as a special architectural element to Bobcaygeon. The small span bridge at Lock 32 is a functioning swing bridge and would only support abutment features as to not impede its function. Consistency between the three bridges would help to give the design strength.
- 31.3.2.5.5. The City will work with Parks Canada to develop a strategy to improve the buildings located north of Lock 32 on the Trent-Severn Waterway. Façade improvements can help define and identify the importance of the Waterway. New programming, such as a Trent-Severn Waterway museum, walking paths and interactive kiosks, can help to bring additional focus on the history of the Waterway.
- 31.3.2.5.6. The City will work on a strategy to improve the façade of important civic buildings, including the Bobcaygeon and Area Chamber of Commerce/Boyd Heritage Museum located on Canal Street East and the Bobcaygeon-Verulam Community Centre to strengthen their physical prominence in the community.
- 31.3.2.5.7. Streetscape improvements in Bobcaygeon have already been initiated along the main streets. The City will continue to work on streetscape improvements on neighbourhood streets, including along Bolton Street, Canal Street, Main Street and Joseph Street, which offer a downtown commercial oriented focus. Canal Street offers a great opportunity to expand the downtown commercial core. The single loaded road offers vistas into Big Bob Channel and Lock 32, which can be very advantageous for commercial viability. Improvements may include street tree planting, landscaping, improvements to sidewalks, on street parking, use of decorative paving, street furniture, street lighting and signage, as required.
- 31.3.2.5.8. The City will study the need for streetscape improvements to secondary downtown streets which function as expansion zones for downtown streetscape

treatment. The secondary streets network helps to define the future growth of the downtown and include:

- a) King Street East
- b) The junction at Market Square

31.3.2.6. Environment and Natural Heritage

31.3.2.6.1. "G-2" Schedule illustrates Environmental Constraint Areas and Environmentally Sensitive Features that influence the ultimate form and structure of the settlement area of Bobcaygeon. The lands identified on Schedule "G-2" display known physical hazards and/or Environmentally Sensitive Features. If development occurs without regard to these constraints, loss of life, property damage or degradation of the environment may occur. Delineation of these constraints has been derived, in a conceptual manner, from mapping provided by Kawartha Conservation. While these constraints must be given due consideration in the development and redevelopment of land within the areas identified on Schedule "G-2", development proposals may be considered where appropriate studies have demonstrated that development or redevelopment could take place without negatively affecting the risk of loss of life, property damage or the degradation of the environment. The delineation of these constraints may be refined through the preparation of an Environmental Impact Study (EIS), as required by Sections 3.5.37 to 3.5.40 of this Plan, a flood plain analysis, or other appropriate study.

31.3.2.6.2. The City will protect, conserve, and promote Natural Heritage in accordance with the 2014 Provincial Policy Statement and Section 3.5 of the Official Plan. Approval from the Ministry of Natural Resources and Forestry will be required to modify evaluated wetland boundaries.

Environmental Constraint Areas

31.3.2.6.3. Schedule "G-2" conceptually delineates as Environmental Constraint Areas those lands that are susceptible to flooding or erosion, have steep slopes or soil instability, may contain Provincially Significant Wetlands or other natural heritage features are located within 120 m of a lake or river having fish habitat (identified as "EIS Study Area – 120m Buffer" in Schedule G-2), and/or contain Environmentally Sensitive Features. Development of the lands in accordance with the designation on Schedule "G-2" may be permitted provided that the development does not result in an increased risk of loss of life, property damage or the degradation of the environment. An EIS prepared in accordance with Sections 3.5.37 to 3.5.40 of this Plan shall be required for all development proposals on or abutting lands identified as Environmental Constraint Area.

- 31.3.2.6.4. Where Environmental Constraint Areas are identified through an EIS, flood plain analysis or other appropriate study on lands subject to site plan control, the site plan shall implement the findings of the study. The site plan shall correctly and precisely delineate those lands impacted by the constraints and identify how the proposed development and/or redevelopment will ensure no negative affect on the risk of loss of life and property damage or degradation of the environment.
- 31.3.2.6.5. The City will work with Kawartha Conservation in the delineation of areas susceptible to flooding and erosion. The City shall incorporate the results of any new flood plain mapping into the Secondary Plan, when available from Kawartha Conservation.
- 31.3.2.6.6. The City recognizes that portions of existing development may be located within a flooding hazard identified through Policy Area #1 and Policy Area #2 and that existing development may continue under this policy in accordance with Section 17.6 of this Plan. An existing building or structure located in a flooding hazard may be enlarged, expanded or altered subject to:
 - a) the determination that there will not be an unacceptable off-site impact due to the displacement of the flood water;
 - b) the enlargement to the building is appropriately flood proofed;
 - c) new or existing hazards are not created or aggravated;
 - d) the Conservation Authority has been satisfied;
 - e) the development is not a threat to public health and safety or property;
 - f) vehicles and people must have a way of safely entering and exiting the area during floods; and,
 - g) satisfactory water supply and subsurface sewage disposal servicing.

The construction or rehabilitation of a boathouse may be permitted provided it is designed in accordance with the floodproofing requirements of Kawartha Conservation.

Environmentally Sensitive Features

31.3.2.6. 7. Schedule "G-2" delineates as Environmentally Sensitive Features those areas that are recognized by this Plan as comprising the Natural Heritage System (i.e., wetlands, fish habitat including significant spawning areas, and significant woodlands in

Bobcaygeon). The following policies shall apply to the developments on lands adjacent to Environmental Sensitive Features:

- a) In accordance with the provisions and policies of this Plan, development may be permitted on lands adjacent to Environmentally Sensitive Features to the extent that the type or magnitude of development is compatible with the environmental conditions or that suitable measures have been undertaken to mitigate any resulting negative impact. The uses permitted shall be in accordance with Schedule "F-2", the Land Use Plan. Development and site alteration is not permitted within a Provincially Significant Wetland.
- b) In considering the approval of a development application adjacent the area delineated as Environmentally Sensitive Features on Schedule "G-2" of this Plan, Council, in conjunction with Kawartha Conservation and Parks Canada (Trent-Severn Waterway), shall give consideration to the need for an analysis of the impact of development on the Environmentally Sensitive Area. An EIS in accordance with Sections 3.5.37 to 3.5.40 of this Plan shall be required for all development proposals on or abutting areas identified as Environmentally Sensitive Features.
- c) Lands adjacent to Environmentally Sensitive Features, identified in this Plan, shall be developed and managed in a manner to protect and complement the nature of the adjacent sensitive area. Regard shall be had for the location, extent and nature of the environmentally sensitive area, the scale of the proposed development, the potential impact on the Environmentally Sensitive Features and the proposed mitigating measures including the adequacy of spatial setbacks and buffers. Council shall consult with Kawartha Conservation and Parks Canada (Trent-Severn Waterway) in relation to the appropriateness of the proposed mitigating measures.
- d) Where, due to the environmentally sensitive nature of the area, an analysis of the impact of development is considered necessary, no change may be made to the natural environment until such time as the Developer undertakes an assessment of the area in accordance with the requirements of paragraph (b) hereof. Such a report shall be prepared to the satisfaction of Council, Kawartha Conservation, the Ministry of Natural Resources and Forestry and Parks Canada (Trent-Severn Waterway).
- e) Where an Environmental Assessment of a proposal is conducted in accordance with the provisions of The Environmental Assessment Act, that assessment shall be considered as having fulfilled the requirements of paragraph (b) of this Section.
- f) Where Federal Lands are involved and the Federal Environmental Assessment and Review Process is required, that assessment shall be considered as having fulfilled the requirements of paragraph (b) of this Section.

Protection of Shorelines

- 31.3.2.6.8. No structures, including boathouses, shall be permitted in shorelines if the structure impedes the natural flow of water along the shoreline or in the stream, if the structure is intended to be used as a dwelling, or if the structure or its construction harmfully alters fish habitat. This policy does not prohibit drainage works such as those permitted under the Drainage Act, those required for infrastructure or those structures required for the purposes of stewardship, conservation, restoration or remediation undertakings.
- 31.3.2.6.9. The alteration of shorelines for the purpose of establishing or altering drainage works such as those works under the Drainage Act, infrastructure or for stabilization, erosion control or protection purposes shall only be permitted if it is demonstrated that natural shoreline treatments (e.g. planting of natural vegetation, bioengineering) that maintain the natural contour of the shoreline will be used where practical, and a vegetative riparian area will be established to the extent feasible.
- 31.3.2.6.10. Where a proposal for development or site alteration is permitted within 30 metres of a shoreline, in accordance with Section 3.5.38 of the Official Plan, the proposal for development or site alteration shall comply with the following where applicable:
 - a) maintain, and where possible, increase or improve fish habitat in the lake, stream or wetland, and any adjacent riparian areas;
 - b) to the extent possible, enhance the ecological features and functions associated with the lake, stream or wetland;
 - c) minimize erosion, sedimentation, and the introduction of excessive nutrients or other pollutants and utilize planning, design, and construction practices that maintain and improve water quality; and
 - d) integrate landscaping and habitat restoration into the design of the proposal to enhance the ability of native plants and animals to use the area as both wildlife habitat and a movement corridor.

Trent-Severn Waterway

31.3.2.6.11. Along the Trent-Severn Waterway, any in-water and shoreline works, including but not limited to docks, boathouses, boat ramps, and shoreline alterations require an approved work permit from Parks Canada before any work can commence. Work must also adhere to Parks Canada's Policies for In-Water and Shoreline Works and Related Activities.

Waste Disposal Assessment Areas

31.3.2.6.12. The identification, management and clean-up of former waste and contaminated sites are important to achieve the Goals, Principles, and Objectives of this Plan. An EIS in accordance with Section 36.10 of this Plan shall be required for all

development proposals within the City of Kawartha Lakes abutting a Waste Disposal Assessment Area located within the abutting lands in the Municipality of Trent Lakes, County of Peterborough.

The City shall be satisfied that appropriate measures have been taken to:

- a) Ensure that the active and closed waste disposal facilities are carefully managed and rehabilitated;
- b) Ensure the uses adjacent to waste disposal areas do not jeopardize public health or the environment; and,
- c) Ensure the potentially contaminated sites are assessed and remediated as required, prior to any development or redevelopment.
- 31.3.2.6.13. Uses may be permitted in accordance with the land use designation on the abutting a Waste Disposal Assessment Area located within the abutting lands in the Municipality of Trent Lakes, County of Peterborough, upon the Municipality consulting with the Ministry of Environment and Climate Change and/or other appropriate jurisdiction, and subject to the following policies:
 - a) Written approval has been received from the Ministry of Environment and Climate Change, and/or other appropriate jurisdiction, that the development complies with the provisions of the Environmental Protection Act;
 - b) The studies required by the Ministry of Environment and Climate Change shall be carried out to the satisfaction of the City and shall demonstrate that development is compatible and can proceed without unmitigated negative impact;
 - The City shall require the construction and phasing of all development to coincide with the control of any problems identified by the engineering studies;
 - d) The studies of gas, leachate and hydrogeology, shall be carried out by a qualified engineer; and
 - e) The City is satisfied with the required studies with respect to any matter regarding structural stability, safety and integrity of any and all structures.
- 31.3.2.6.14. Given the potential impacts in areas subject to the Waste Disposal Assessment Area policies, only land uses compatible with waste disposal sites and the associated engineered controls will be permitted.
- 31.3.2.6.15. Lands within the Waste Disposal Assessment Area shall be placed in a zoning category that does not permit habitable buildings or structures as an interim or permanent use. When such areas are deemed suitable for development, a rezoning to an appropriate category may be undertaken, subject to the applicable policies of Section 35.

- 31.3.2.6.16. A parking lot, paved or otherwise, may be constructed within a Waste Disposal Assessment Area to serve an adjacent recreation facility or to act as a trail head location for a trail system. For the purpose of this Section, a municipal parking lot is deemed not to be a structure.
- 31.3.2.6.17. Park amenities, but not buildings, may be constructed on a Waste Disposal Assessment Area after the City, in conjunction with the Ministry of Environment and Climate Change is satisfied that the soils do not pose a safety hazard to those using the park facilities.

31.3.2.7. **Transportation**

- 31.3.2.7.1. A safe, convenient, efficient and accessible transportation system shall be developed.
- 31.3.2.7.2. The City should explore a new or expanded coach, and/or shuttle services to serve the needs of community members and the travelling public.
- 31.3.2.7.3. A transportation system strategy will be developed, which will emphasize safety, convenience and efficiency and which will address the multiple forms of transportation found in Bobcaygeon including roads, waterways, trails, and pedestrian routes.
- 31.3.2.7.4. The City will work on the expansion of transportation opportunities for the population, particularly focusing on meeting the needs of the aging population. The strategy should also focus on improving and expanding on a cycling network and expanding its parking supply to meet projected demands.
- The City will work on implementing a parking strategy which will provide additional parking spaces in the downtown area, as estimated by the City of Kawartha Lakes Transportation Master Plan (February 2012).
- 31.3.2.7.6. Schedule "H-2" identifies the existing road pattern and future arterial and collector road network for Bobcaygeon. The following road classification applies in Bobcaygeon:
 - i. Local roads provide access to lots and serve low volumes of traffic and shall have a minimum right of way width of 20 metres.
 - ii. Collector roads provide for medium volumes of traffic and shall have a minimum right of way width of 26 metres.
- Arterial roads provide for medium to high volumes of traffic and shall have a iii. minimum right-of-way width of 26 metres.

31.3.2.8. Infrastructure and Services

- 31.3.2.8.1. Infrastructure and services, such as sewers, water and storm water systems, shall be provided, maintained and upgraded as necessary to accommodate the needs of future development and redevelopment in Bobcaygeon. Before a subdivision, condominium, consent or rezoning is approved, it must be demonstrated that there is sufficient municipal servicing to serve the proposed use.
- 31.3.2.8.2. Development within the Bobcaygeon settlement area shall be on full municipal services in accordance to the policies of the City. In addition, the following Infrastructure and Phasing Policies apply:

31.3.2.8.3. Goal

 To plan for growth that takes into account the availability and location of existing and planned community infrastructure so that infrastructure can be provided efficiently and effectively.

31.3.2.8.4. Objectives

- Maintain and enhance the level of services consistent with the social integrity, economic costs, demand and growth projections while ensuring environmental integrity.
- b) Encourage intensification by locating urban development where servicing costs are minimized and use is maximized. Avoid premature service and utility extensions and locate development where municipal services exist or where they can be logically and economically extended.
- c) Ensure that new development is serviced by full municipal sewer, water and stormwater and transportation systems with costs for such serviced provided by the development.
- d) Provide and improve hard services such as sidewalks, curbs, gutters, roads, sewers, water mains and street lighting to applicable standards that are appropriate to the location.
- e) Use all reasonable and cost effective opportunities to encourage innovative and efficient use of services.
- f) Identify and give priority to servicing improvements and the reduction of deficiencies which, if improved, assist in stimulating economic development and create long-term employment opportunities.
- g) Protect and enhance existing communication and transmission corridors and networks, and encourage the development and maintenance of modern telecommunications infrastructure to serve businesses and residents.
- h) Encourage the efficient use of energy with respect to all modes of transportation.

- i) Link places of employment, education, cultural and community activities by safe and efficient pedestrian routes. Provide a pedestrian and cycling environment for all members of the community.
- j) Encourage the protection of abandoned rail corridors for public uses.
- k) Ensure that the City continues to play a role in the provision of special needs transportation.
- I) Ensure the provision, maintenance and expansion of adequate off street parking facilities in downtown areas, and promote effective utilization of existing resources and explore opportunities to provide staging and/or parking areas for links to alternative modes of transportation.
- m) Ensure that the network of roads serving the City is co-ordinated with adjacent municipalities.
- n) Ensure the continual maintenance, improvement and development of the system of municipal roads, including arterial, collector and local roads and aggregate haul routes, in a manner which minimizes the disruption to residential neighbourhoods and results in a derived benefit for all residents of Bobcaygeon and enhances the economic function of commercial and industrial areas.

31.3.2.8.5. Phasing

- 31.3.2.8.5.1. The phasing of development, in accordance with the policies of each specific designation, will be based on the progressive extension and economic utilization of utilities and services.
- 31.3.2.8.5.2. In full service areas, priority will be given to the development of those lands that are presently serviced by piped sewer and water systems or those areas that can most easily be serviced at minimal expense.
- 31.3.2.8.5.3. The City intends to ensure that new development proceeds in a logical, efficient manner and in keeping with market demand and the City's ability to provide adequate services. Accordingly, the following phasing policies will apply:
 - i. The timing of development will be based on the regulation of the geographic sequence and balance so that:
 - a. there is the logical extension of municipal services that avoids the leap-frogging of large undeveloped tracts of land;
 - b. a compact urban form and pattern of development is maintained;

- c. the provision of all municipal services proceeds in an economically viable manner;
- d. there are adequate opportunities for both infilling and greenfield development but first priority is to be given to infilling.
- ii. Lands identified within the Urban Settlement Boundary of a community are intended to serve the growth needs of the community to the year 2031 and will be allowed to develop on full municipal services subject to confirmation of the availability of municipal water and wastewater services and overall servicing capacity by a professional engineer as a condition of development approval to the satisfaction of the City.
- iii. Undeveloped lands located within a community's Settlement Boundary but beyond the Urban Serviced Area will only be allowed to develop once municipal water, wastewater, stormwater and transportation systems have been upgraded and/or extended to adequately service those lands.
- iv. To ensure that lands are not developed prematurely, lands proposed for development in policies ii and iii above, will be zoned with a Holding (H) provision when:
 - a. The subject lands do not have available allocations of municipal water and wastewater servicing and/or;
 - b. Where construction is not planned to commence within 3 years from the date of final development approval by the municipality.
- v. The condition for release of the Holding (H) provision in policy iv above, is:
 - a. for lands within the Urban Servicing Boundary, the confirmation of servicing and capacity as described in Policy ii, above; or,
 - b. for lands located within the Settlement Boundary but beyond the Urban Serviced Area, the provision of adequate municipal water, wastewater, stormwater and transportation infrastructure in accordance with any respective master plans developed for the community to the satisfaction of the City as described in Policy iii, above.
- 31.3.2.8.5.4. To ensure that the lack of adequate servicing does not create a constraint to the timely development of the lands, the City will coordinate upgrades to the water, wastewater, stormwater and transportation infrastructure when the City deems it to be appropriate.

- 31.3.2.8.5.5. Existing properties within the Urban Settlement Boundary that do not have municipal water and wastewater services available to them may be allowed to continue to function on private water and/or wastewater services until such time as municipal water and wastewater services are made available. When municipal water and wastewater services are available, those properties will be required to connect to the municipal water and wastewater services and decommission any private servicing.
- 31.3.2.8.5.6. Throughout the City, there are numerous draft approved plans of subdivision. Many of the files on these plans are dormant with no apparent activity occurring for months and sometimes years. Accordingly:
 - i. When conditions of draft plan approval are not fulfilled within the allotted time period for which draft subdivision approval has been granted, Council may not support the extension of draft approval and assign the servicing allocation to other developments or areas of the City or hold the capacity in reserve.
 - ii. Prior to the lapsing of draft approval, the development proponent may request an extension of draft approval. Provided Council is satisfied with the merits of the request for an extension of draft approval, Council may choose to extend the draft approval period. No extension is permissible if draft approval lapses before the extension is given. Council may proceed with re-allocating the servicing capacity and revising the City's planning documents, as necessary.
 - iii. In all future draft plans of subdivision approvals, a clause reflecting the above will be included.
 - iv. To ensure that municipal servicing allocation is not tied up indefinitely and that lots are developed to meet the anticipated growth within the municipality, the City will review all draft approved plans and revise the conditions to reflect the current appropriate agency that must clear conditions of draft approval. For draft plans of subdivision to be serviced by municipal services, a condition will also be added that the draft approved plan will lapse within 3 years if final approval is not given.
 - v. A provision will be included in the conditions of draft approval or the executed subdivision agreement to ensure that phases are developed in a reasonable time or the allocation of services will be withdrawn or reallocated to another development.
- 31.3.2.8.6. The infrastructure and services provided for new developments and redevelopments in Bobcaygeon shall be sized, located and designed to the City of

Kawartha Lakes engineering standards, guidelines and criteria to ensure that acceptable levels of service are maintained.

- 31.3.2.8.7. The planning and design of stormwater infrastructure, and the evaluation of development with respect to its management of stormwater, will be in accordance with the relevant policies of Section 3.3 of the Official Plan.
- 31.3.2.8.8. Although municipal servicing shall not be extended beyond the settlement area boundary, municipal water and sanitary sewer services will only be extended to service a dairy manufacturing facility located at 3332 CKL Road 36 provided that all the costs of the municipal servicing extended to these lands are borne by the owner or developer.

31.3.2.8. Culture and Cultural Heritage

31.3.2.8.1. The City shall protect, conserve, and promote culture and cultural heritage in accordance with the 2014 Provincial Policy Statement and Section 10 of the Official Plan.

31.3.2.9. Land Use Compatibility

- 31.3.2.9.1. The development of any industrial use shall be in accordance with Section 3.8 of the Official Plan.
- 31.3.2.9.2. All development will comply with the minimum distance separation formulae established by the Province in order to minimize odour conflicts between livestock facilities and development, as amended from time to time.

Land Use Policies

31.3.3.1. Residential

- 31.3.3.1.1. The predominant use of land in the Residential designation shall be a variety of dwelling types. Parkettes/tot lots may be permitted in accordance with Section 18.15 of this Plan. Senior citizens' homes, group homes or similar housing facilities shall be developed in accordance with the medium density policies under Section 31.3.3.1.3. of this Plan. Neighbourhood commercial uses may also be permitted, in accordance with policies 31.3.3.1.7 and 31.3.3.1.8 of this Plan. A home occupation may be permitted accessory to the principal residential use and occurring entirely within the dwelling unit. The location of the Residential designation is shown on Schedule "F-2".
- 31.3.3.1.2. The Residential designation contains two densities of residential development and policies for mixed density development. The appropriate density shall be based on the availability of services, compatibility with surrounding uses and locational factors, as set out below.

31.3.3.1.3. Low Density Residential Development

- 31.3.3.1.3.1. Low density residential uses shall include single detached dwellings, semi-detached dwellings, duplex dwellings and similar low-profile residential buildings not exceeding 2.5 storeys in height, and two (2) dwelling units per property. Neighbourhood commercial uses may also be permitted, in accordance with the policies of Section 31.3.3.1.7 of this Plan.
- 31.3.3.1.3.2. Low density residential areas shall be developed from a minimum density of 15 dwelling units per net hectare of land to a maximum density of 25 dwelling units per net hectare of land.
- 31.3.3.1.3.3. Low density residential uses will be encouraged to have front porches or covered entrances. Attached garages on housing units should be designed so that the resulting streetscape is predominated by the front yard landscaping, front doors, and front windows of the housing units instead of garages. Low Density Residential uses will be encouraged to have a variety of facades and use a variety of building materials.

31.3.3.1.4. Medium Density Residential Development

31.3.3.1.4.1. Medium density residential uses shall include triplex dwellings, fourplex dwellings, row or block townhouse dwellings, stacked townhouses, converted dwellings containing more than two dwelling units, and mid-rise apartment housing not exceeding four storeys in height. Except in apartment units, home-based businesses may be permitted accessory to the principal residential use and occurring entirely within of the dwelling unit. Neighbourhood commercial uses may also be permitted, in accordance with the policies of Section 31.3.3.1.7 of this Plan.

Medium density residential areas shall be developed from a minimum density of 25 units per net hectare to a maximum density of 60 dwelling units per net hectare.

- 31.3.3.1.4.2. Medium Density Residential uses will generally be located along, or close to, arterial or collector roads, where possible and appropriate.
- 31.3.3.1.4.3. Medium Density Residential will be encouraged to have front porches or covered entrances. Attached garages on housing units should be designed so that the resulting streetscape is predominated by the front yard landscaping, front doors, and front windows of the housing units instead of garages.
- 31.3.3.1.4.4. New medium density residential developments shall meet the following criteria:
 - a) The density, height and character of the development is in keeping with adjacent uses;
 - The height and massing of the buildings at the edge of the medium density residential development shall have regard to the height and massing of the buildings in any adjacent low density residential area;

- Medium density residential lots shall accommodate low-rise dwellings which do not cause significant issues with shadow casting and obstructions of views for adjacent lots;
- d) In developments incorporating walk-up apartments, block townhouse dwellings and similar medium-profile residential buildings, on-site recreational facilities or amenities such as playground equipment may be required to service the development;
- e) Buildings should incorporate landscaping in all yards which provide a buffer between the building and adjacent sensitive land uses;
- f) Parking areas should be located to minimize their negative visual impact on adjacent low density residential uses, such as in the side or rear yard, the interior of a site, and/or underground or structured parking. Where underground or structured (above grade) parking is provided, an amendment to this Plan is not required for increased density, provided that proposed built form is consistent with the design policies of this Plan. Parking for freehold townhouse development may be permitted in the front yard.
- g) The site shall be designed to provide for collection and storage of recyclable and waste containments on site.

31.3.3.1.5. Mixed Density Residential Development

- 31.3.3.1.5.1. Developments containing a mix of low density and medium density built forms are permitted, subject to the criteria in Section 31.3.3.1.4.
- 31.3.3.1.5.2. Because of the mix of dwelling types, a maximum density for mixed density residential developments cannot be established. When considering this form of development, the proponent and the City shall have regard to the density limits for the types of development proposed and shall consider the building and community design principles of this Plan.

31.3.3.1.6 Home Occupations

31.3.3.1.6.1. Home occupations may be permitted as long as it is accessory to the principal residential use and occurs entirely within the confines of the dwelling unit. A home occupation shall not change the appearance of the dwelling as a residence, must be compatible with the surrounding uses, and shall not create a parking problem.

31.3.3.1.7. Neighbourhood Commercial Uses

31.3.3.1.7.1. Small convenience retail facilities to serve the daily shopping needs of the residents of a neighbourhood, otherwise referred to as Neighbourhood Commercial Uses, shall be permitted within the Residential land use designation.

31.3.3.1.7.2. The following policies shall apply to Neighbourhood Commercial Uses:

- a) No more than one commercial structure or building shall be permitted on any site, and the gross floor area of the commercial use shall not exceed 300 square metres;
- b) Building height shall be limited to one storey unless residential apartments are located on the upper floor(s), in which case the maximum building height will be subject to the appropriate residential density provisions:
- c) Required loading spaces should be located at the rear of the structure;
- d) Landscaping, fencing, berming and other screening shall be provided adjacent to residential land uses:
- e) All required parking shall be provided on the site. Cash-in-lieu of required parking shall not be accepted by the City unless the neighbourhood commercial use is incorporated into a residential apartment building;
- f) Driveway access shall be approved by the City as necessary and appropriate; and,
- g) Standalone neighbourhood commercial sites shall be located at or in proximity to the intersection of arterial or collector roads and shall not be located mid-block within a residential area.

31.3.3.1.8. Live/Work Opportunities

31.3.3.1.8.1. Medium density residential units designed for live/work may be permitted subject to the provision of sufficient parking. Live/work development is encouraged to locate on collector and arterial roads and/or in an area planned for intensification.

31.3.3.2. Commercial

31.3.3.2.1. Commercial Structure

31.3.3.2.1.1. The Secondary Plan defines Commercial broadly and is intended to work with the Zoning By-law to control the specific type and built form of commercial development in the settlement areas. Four land use designations and associated policies generally apply to the commercial areas of Bobcaygeon. These commercial land use designations are as follows:

- a) Central Business District;
 - b) Commercial:
 - c) Highway Commercial; and,
 - d) Tourism Commercial.

31.3.3.2.2. Central Business District

- 31.3.3.2.2.1. The Central Business District is Bobcaygeon's preeminent mixed use node and is intended to serve a variety of complementary functions. The Central Business District area should remain as compact as possible in order to serve the pedestrian most easily. New development should be planned as an extension of the existing downtown street-related business core or as an infilling process to the existing business area and should not be allowed to infiltrate into the adjoining residential areas.
- 31.3.3.2.2.2. The predominant use of land in the Central Business District land use designation shall be a full range of retail and commercial uses. In addition, residential uses are permitted on the upper storeys of a commercial building or in free standing residential buildings. The Central Business District is also the location for important institutional uses, niche shops and specialty retail uses, cultural and entertainment uses, professional services, businesses and offices, hospitality uses, transit and transportation uses, and parks and open spaces. Drive-through facilities and autorelated uses such as auto body shops, repair shops are not permitted within this designation. The limits of the Central Business District area are shown on Schedule "F-2".
- 31.3.3.2.2.3. Central Business District development should generally contain buildings which have a maximum height of 4 stories, except for buildings along the shoreline, which should have a maximum height of 2 storeys.
- 31.3.3.2.2.4. The preferred form of development within the Central Business District is for retail and office uses at grade with residential uses locating on upper floors of buildings and/or behind the front portion of buildings, where appropriate.
- 31.3.3.2.2.5. The following policies shall apply to the Central Business District designation:
 - a) The traditional downtown area shall be revitalized and preserved to reinforce its character;
 - b) Development shall be in accordance with policies in Sections 18.11 Downtown Development and 18.13 Urban and Public Realm Design;
 - c) Any new transit facilities should be easily accessible to pedestrians;
 - d) The surrounding areas should relate to and be efficiently connected with the Central Business Districts through the integration of bicycle and pedestrian trail systems:
 - e) All utilities shall be provided underground, where feasible;

- f) Adequate off-street parking and loading spaces, or cash-in-lieu of parking as provided for in Section 18.16.9, shall be provided. Requirements may be satisfied through off-street communal parking, and municipally or privately owned parking areas located in the Central Business District. Parking should be located in the rear or centre of the urban blocks with little visibility to downtown streets. In the case where a parking lot does have street frontage, then a landscape set back should be used to help mitigate the transition between the lot and public realm. Limited on-street parking will be provided in appropriate areas; and,
- g) Any enlargement of an existing or establishment of a new retail use in excess of 3,000 square metres of gross leasable floor space shall require a site specific Zoning By-law Amendment. Prior to consideration of such Zoning By-law Amendment, a Retail Market Analysis Study, prepared in accordance with Section 18.7 of this Plan, shall be submitted and approved by the City. The implementing Zoning By-law to enlarge or establish such retail use, shall establish a specific zone and regulations that shall include, but not be limited to, size (maximum gross leasable floor space), location, performance standards and specific permitted uses.
- 31.3.3.2.2.6. A Community Improvement Plan shall be undertaken for Bobcaygeon's Central Business District (Downtown Area), in accordance with Section 9 of the Official Plan, with a view to enhancing and improving the District as a significant and unique mixed commercial, residential, cultural, social and entertainment area.
- 31.3.3.2.2.7. Development or redevelopment, including intensification in the designated Central Business District shall preserve, complement and enhance the cultural heritage and/or architectural character of these areas. Among the specific requirements are the following:
 - a) the sensitive location, limited extent and effective buffering of parking facilities so as not to detract from historic streetscapes and adjacent buildings and uses;
 - b) the consistency of setbacks and continuity of character, in order to maintain and restore pedestrian-oriented streetscapes and the encouragement of pedestrian activity by providing linkages between the downtowns and adjacent areas of residential or other development; and
 - c) compliance with the heritage policies of Sections 10 and 18.14 of this Plan.
- 31.3.3.2.2.8. In the Central Business District, sidewalks should be wide enough to allow for pedestrian passage, retail displays, street furniture, and landscaping.
- 31.3.3.2.2.9. The City may utilize Tax Incentives to promote private sector improvements to existing buildings and revitalize existing Central Business District areas.

- 31.3.3.2.2.10. The City may establish Business Improvement Areas in the Central Business District to help promote and support local businesses in these areas.
- 31.3.3.2.2.11. The City shall encourage coordination, by local business persons or owners, of such items as signage, building facades, lighting, street furniture, landscaping and general maintenance.
- 31.3.3.2.2.12. No open storage shall be permitted within the Central Business District.
- 31.3.3.2.2.13 The City encourages the upgrading, rehabilitation and redevelopment of buildings and/or facades in the Central Business District as set out in the City's urban design, which may be in place.
- 31.3.3.2.2.14 Buildings and structures of cultural heritage value or interest shall be conserved and incorporated, where appropriate, into any development or redevelopment project. The preservation of areas of cultural heritage shall also be encouraged.

31.3.3.2.3. Commercial

31.3.3.2.3.1. Areas identified as Commercial on Schedule "F-2" represent service commercial and retail stores and existing shopping centres outside of the Downtown area. Development within those areas designated Commercial should not undermine the viability of the Central Business District, but rather reinforce and complement the primary economic function of the Central Business District as the focal point and principal centre of commerce. The predominant use of land permitted in the Commercial land use designation shall include retail establishments and commercial uses such as convenience retail, retail stores, food stores, personal and professional services, professional offices, service commercial, automobile service stations, vehicles sales and service, public garages, motels, hotels, restaurant, home furnishing establishment, garden centres, automated teller/banking machines, building supply centres, and other similar uses.

31.3.3.2.3.2. The following policies apply to lands designated Commercial:

- a) Commercial uses will be encouraged to consolidate in nodes and be developed in accordance with good urban design principles. This Plan encourages the consolidation of properties to facilitate larger scale development.
- b) Commercial areas shall be compatible with surrounding uses and shall be adequately buffered from adjacent residential and other sensitive land uses. Buffers shall include grassed areas and appropriate planting of trees and shrubs, and / or the provision of other suitable screening materials and decorative fencing;

- c) Building entrances and display windows should be oriented to street frontages, and a minimum of one major building entrance should front directly onto the main street frontage, when applicable.
- d) Driveway access shall be approved by the City in conjunction with the Province as considered to be necessary and appropriate;
- e) Adequate off-street parking, service areas and loading spaces shall be provided. Service areas and loading spaces shall be located according to Section 18.16.10 of this Plan;
- f) Buildings should be built to a minimum setback at intersections to help frame the streets:
- g) The building identity at corner locations will be reinforced by taller building elements such as towers, entrance structures or roof elements (i.e. skylights and dormers);
- h) Commercial garbage facilities shall be contained in a fully enclosed storage area contiguous with the building;
- i) Parking, loading areas and service should be designed as per policies 18.16.7. 18.16.9 and 18.16.10 of this Plan; and,
- j) Commercial uses shall only locate on CKL Roads, arterial or collector roads.

Highway Commercial 31.3.3.2.4.

31.3.3.2.4.1. Areas identified as Highway Commercial in Schedule "F-2" represent existing and future service commercial areas and a limited range of retail stores outside of the Central Business District, but within the settlement area. The predominant use of land permitted in the Highway Commercial land use designation shall include commercial uses such as convenience-type retail, automobile service stations, vehicle sales and service, public garages, motels, hotels, eating establishments, establishments such as furniture, appliance, carpet, flooring, home electronics and/or garden centres, automated teller/banking machines, building supply centres, and other similar uses.

31.3.3.2.4.2. The following policies apply to lands designated Highway Commercial:

a) Highway Commercial uses will be encouraged to consolidate in nodes and be developed in accordance with good urban design principles. It is the intent of this Plan to provide for the consolidation of Highway Commercial uses and to avoid the indiscriminate development and/or extension of such uses into adjacent non-commercial areas.

- b) Highway Commercial areas shall be compatible with surrounding uses and shall be adequately buffered from adjacent residential and other sensitive land uses. Buffers shall include grassed areas and appropriate planting of trees and shrubs, and / or the provision of other suitable screening materials;
- c) Building entrances and display windows should be oriented to street frontages, and a minimum of one major building entrance should front directly onto the main street frontage, when applicable.
- d) Driveway access shall be approved by the City as considered to be necessary and appropriate. Consolidated accesses between properties shall be required where necessary;
- e) Adequate off-street parking, service areas and loading spaces shall be provided. Service areas and loading spaces shall be located according to Section 18.16.10 of this Plan;
- f) Buildings should be built to a minimum setback at intersections to help frame the streets;
- g) The building identity at corner locations will be reinforced by taller building elements such as towers, entrance structures or roof elements (i.e. skylights and dormers):
- h) Commercial garbage receptacles shall be adequately screened or in an enclosed storage area contiguous with the building;
- i) Parking, loading areas and service areas should be designed as per policies 18.16.7, 18.16.9 and 18.16.10 of this Plan; and,
- j) Highway Commercial uses shall only locate on arterial or collector roads.

31.3.3.2.5. Tourism Commercial Designation

31.3.3.2.5.1. Areas identified as Tourism Commercial in Schedule "F-2" represent existing and future tourism commercial areas in the settlement area. The predominant use of land permitted in the Tourism Commercial land use designation shall include existing residential uses and commercial uses such as convenience-type retail, bed and breakfast establishments, motels, hotels, inns, spas, eating establishments, marinas, accessory residential uses, and other similar uses.

31.3.3.2.5.2. The following policies apply to lands designated Tourism Commercial:

a) Tourism Commercial uses will be encouraged to cluster together and be developed in accordance with good urban design principles. It is the intent

- of this Plan to avoid the indiscriminate development and/or extension of such uses into adjacent non-commercial areas.
- b) Tourism Commercial areas shall be compatible with surrounding uses and shall be adequately buffered from adjacent residential and other sensitive land uses. Buffers shall include grassed areas and appropriate planting of trees and shrubs, and / or the provision of other suitable screening materials:
- c) Building entrances and display windows should be oriented to street frontages, and a minimum of one major building entrance should front directly onto the street frontage, when applicable.
- d) Driveway access shall be approved by the City. Consolidated accesses between properties shall be required where necessary;
- e) Adequate off-street parking, service areas and loading spaces shall be provided. Service areas and loading spaces shall be located according to Section 18.16.10 of this Plan;
- f) Except for marina uses and ancillary docking facilities, development adjacent to a shoreline shall be setback from the shoreline to provide for shoreline protection and maintenance of a continuous natural shoreline;
- g) Commercial garbage receptacles shall be adequately screened or in an enclosed storage area contiguous with the building; and,
- h) Parking, loading areas and service areas should be designed as per policies 18.16.7, 18.16.9 and 18.16.10 of this Plan.

31.3.3.3. Employment

- 31.3.3.3.1. Within the Employment designation, the predominant use of land shall be a wide range of employment and office uses, including manufacturing and fabricating, assembling, processing, servicing and repairing, warehousing and storage, shipping and receiving, offices as an accessory or secondary use, commercial activities as an accessory use, accessory uses such as parking garages or a dwelling unit within a building having an employment use for a caretaker.
- 31.3.3.2 No outside storage of goods or materials shall be permitted in those Employment uses located adjacent to residential areas. For Employment uses located along arterial and collector roads, outside storage of goods or materials shall be limited to the interior side yard or rear of the building and screened from public view.
- 31.3.3.3. Employment uses shall locate adjacent to arterial, and collector roads.

- 31.3.3.3.4. Employment uses shall not be permitted to locate on local roads that necessitate the movement of trucks past residential lots. General Employment uses shall be encouraged to group together provided adequate buffering is established.
- 31.3.3.3.5. The following policies apply to lands designated Employment:
 - a) Adequate landscaping and buffering shall be provided between the Employment designation and sensitive land uses, as established by the Ministry of Environment and Climate Change or other relevant agency.
 - b) Service, loading and parking areas should be oriented to the interior side yard or rear of the building, away from public view.
 - c) Adequate off-street parking, service areas and loading facilities are required and will be designed for maximum safety. Parking, loading areas and service should be designed as per policies 18.16.8, 18.16.10 and 18.16.12 of this Plan.
 - d) For employment uses located on roads with sidewalks and/or cycling connections, pedestrian and cycling access should be accommodated in a manner that is distinguishable from the access provided to motorized vehicles, and is safe and convenient.
 - e) Buffering is required between employment area uses and residential uses, including but not limited to, increased setbacks, a high degree of landscaping, screening, and fencing.
 - f) Office uses should be oriented to the front of the building and incorporate substantial glazing.
- 31.3.3.6. Employment uses located along CKL Roads, arterial roads, and collector roads are expected to accommodate a wide range of light industrial type uses requiring high visibility. High quality design will be essential in these areas and some restrictions on uses will be applied to ensure attractive streetscapes.
- 31.3.3.3.7. The following policies shall also apply to the Employment uses located along arterial and collector roads or adjacent to residential areas (light industrial uses):
 - a) High urban design, landscaping and building standards shall be required. Buildings shall be designed so that all elevations facing a street present an appropriate front elevation. Loading areas are not considered appropriate in any yard facing a street.
 - b) Vehicular access to lots shall be approved by the City.
 - c) The provision of appropriate and adequate landscaping and/or other forms of buffering shall be provided to:

- i. Enhance all parking lots, and outdoor loading, storage and service areas;
- ii. Provide separation between the employment use and any adjacent use, where appropriate; and,
- iii. Ensure that land uses situated adjacent to arterial roads shall be developed in such a manner to ensure protection and screening of outdoor storage areas from the road.
- d) Enhanced building visibility and quality, built form and massing should emphasize key elements including building entrances. Variations in articulation of the building envelope are encouraged.
- 31.3.3.3.8. New employment development will be required to demonstrate compliance with the Ministry of Environment's Land Use Compatibility (D6) Guidelines.
- 31.3.3.3.9. Employment uses shall:
 - a) not include uses that may be obnoxious or noxious to the surrounding area;
 and,
 - b) have all operations conducted entirely within an enclosed building.
- 31.3.3.3.10. The Comprehensive Zoning By-law shall establish development standards, permitted uses, and other measures required to support the Employment policies.
- 31.3.3.3.11. The conversion of lands within Employment designation to non-employment uses is subject to policy 18.10.13 of this Plan.

31.3.3.4. Institutions And Community Facilities

- 31.3.3.4.1. Institutions and Community Facilities uses are intended to serve the immediate neighbourhood or a collection of neighbourhoods, and provide social or cultural services such as education, health care, social housing, and religious worship for residents.
- 31.3.3.4.2. Within the Institutions and Community Facilities land use designation, the predominant use of land shall be for public and institutional uses that benefit the residents of Bobcaygeon and surrounding areas. These uses shall include institutional, government offices, places of worship, nursing homes and assisted living, daycare centres, social housing, medical clinics, recreational, cultural and educational facilities, cemeteries, fairs or exhibition grounds, other public uses or community facilities, and uses accessory thereto. Government buildings deemed to be redundant may continue to be used office purposes without an amendment to this Plan.

In addition to the uses permitted above, ancillary residential and commercial uses may be permitted in areas designated Institutions and Community Facilities without requiring an amendment to this Plan, provided that:

- a) The ancillary use is clearly incidental and secondary to, and complementary with the main use; and
- b) The development satisfies the appropriate policies relating to the use
- 31.3.3.4.3. The following policies shall apply to the Institutions and Community Facilities designation:
 - a) Adequate measures shall be taken to ensure that the permitted uses have no adverse effects on adjacent land uses. Adequate buffer planting shall be provided between any Institutions and Community Facilities use and any adjacent residential area where land use conflicts might be expected, and such buffer planting may include provisions for grass strips and appropriate planting of trees and shrubs, berms or fence screening.
 - b) Institutions and Community Facilities shall be planned to reflect the level of service for which they are intended to provide.
 - c) Institutions and Community Facilities shall be encouraged to have building massing, exterior building materials, and landscaping which will assist with integration with the neighbourhood. The City encourages specific design elements which highlight the civic nature of institutional uses.
 - d) Institutions and Community Facilities are encouraged to develop on sites served by existing or planned transit routes.
 - e) Adequate off-street parking areas shall be provided and access to parking areas shall be limited and designed to provide maximum safety for pedestrian and vehicular traffic. Parking areas shall be located to the side or rear of the building and screened from view.
 - f) The design of new Institutions and Community Facilities shall be pedestrian friendly, barrier-free and accessible.
 - g) The City will encourage Institution and Community Facilities to act as community hubs offering a variety of public services, where possible. The location of these facilities should be in areas serviced by existing infrastructure, and easily accessible by active transportation methods.
- 31.3.3.4.4. Elementary schools should be planned in coordination with growth of the community and located adjacent to public parks and open spaces, where possible. Generally, the school should be centrally located in regard to the area being served. The location should be selected and designed in consultation with the School Board to

minimize traffic conflicts with pedestrians. Sidewalks are considered to be an integral design aspect and will be required to link all school sites to adjacent neighbourhoods. Bicycle lanes and bicycle parking will be incorporated wherever feasible.

- 31.3.3.4.5. Where possible, places of worship should be located on arterial or collector roads within walking distance of transit stops. Places of worship should provide on-site parking located at the rear or side of the building and adequately and safely accommodate vehicular and pedestrian traffic entering on site.
- 31.3.3.4.6. Emergency service facilities, including fire, police and ambulance stations shall be located on CKL Roads, arterial roads, or collector roads. The siting of new facilities shall also consider the potential impacts on adjacent users.

31.3.3.5. Parks And Open Space

- 31.3.3.5.1. The Parks and Open Space designation includes lands used for active and passive leisure activities. In addition, open spaces are intended to contribute to the environment through the provision of green space and vegetation.
- 31.3.3.5.2. The predominant use of land shall be primarily for the preservation and conservation of land and/or environment, as well as for the provision of outdoor recreational and educational opportunities, and should be managed in such a fashion as to complement adjacent land uses and protect such uses from any physical hazards. Permitted uses include indoor and outdoor active and passive recreational uses including parks, trails, golf courses, arenas, curling rinks, sports fields and other similar uses as well as open space areas. Compatible uses, such as public and/or private utilities, environmental conservation, and community gardens may also be allowed.
- 31.3.3.5.3. The development of parks shall be subject to Sections 8 and 18.15 of the Official Plan, and 34.13 of this Plan. The following policies shall apply to the Parks and Open Space designation:
 - a) Community gardens, parks, and recreation operations on lands designated Parks and Open Space should maintain the unique natural characteristics of such lands, where possible and appropriate.
 - b) Lands designated Parks and Open Space shall not contribute to problems of erosion, flooding, pollution or the deterioration of the environment.
 - c) Buildings and structures shall be permitted in parks provided that they are related and accessory to the main permitted use. Structures such as those required for flood consideration, municipal services and/or utilities shall be permitted in areas designated Parks and Open Space, provided engineering studies acceptable to the City and Conservation Authority indicate that any hazard, natural or

otherwise, can be overcome, or if the Conservation Authority determines that the isolated parcel of land is not hazardous. Where major physical alterations are necessary to overcome the hazards, an amendment to this Plan will be required. Where detailed investigation shows that an area is non-hazardous, and provided that the Conservation Authority confirms this in writing, then an alternative use consistent with the surrounding uses may be considered through a Zoning Bylaw Amendment.

- d) Where Parks and Open Space lands are under private ownership, it shall not be construed that these lands shall be free and open to the general public, nor that they shall be acquired by the City or any other public agency.
- 31.3.3.5.4. The City will conduct programs to improve park facilities and provide public parks to meet the needs of the community, as well as augmenting the present park deficiencies. Park needs shall be considered in conjunction with future recommendations and/or improvements to the Trent-Severn Waterway and the lands adjacent to it.

New Park

31.3.3.5.5. The general location of a new park in Bobcaygeon is denoted with the symbol "NP" on Schedule F-2. A park may be situated anywhere within the extent of the underlying land use designation denoted with the symbol "NP," and the City will determine the type of park and its final location prior to draft plan approval.

31.3.3.6. Environmental Protection

- 31.3.3.6.1. Permitted uses within this designation should maintain the unique natural characteristics of such lands and should not contribute to problems of erosion, flooding, pollution or the deterioration of the environment, and will be guided by the policies of Section 31.3.2.6.3 to 31.3.2.6.6 of this Plan. The following uses may be permitted within the Environmental Protection designation:
 - a) Agricultural, excluding buildings or structures;
 - b) Buildings or structures for erosion or flood control;
 - c) Conservation, excluding buildings or structures;
 - d) Forestry, excluding buildings or structures;
 - e) Nursery and market gardening, excluding buildings or structures;
 - f) Recreation or park purposes, excluding buildings or structures; and,
 - g) Wildlife management areas, excluding buildings or structures.
- 31.3.3.6.2. The creation of lots within the Environmental Protection designation will not be permitted for the purpose of development.

- 31.3.3.6.3. If a lot is to be created that is partially designated as Environmental Protection, sufficient lot area based on the abutting land use designation outside of the Environmental Protection designation must be maintained for the proposed use.
- 31.3.3.6.4. In some instances, the boundary of the Environmental Protection designation may be found not to reflect the true limit of the land subject to flooding or containing a natural hazard. To determine this, an evaluation shall be undertaken by the landowner to demonstrate that the land is not subject to flooding or other physical hazard. The evaluation shall be reviewed and approved by the City and Kawartha Conservation. The City will consult with Kawartha Conservation or other expertise in the review of the evaluation. If it is found through the evaluation that the boundary is in error and the land is not subject to flooding or other physical hazard, then an alternate use permitted in the abutting land use designation may be considered and the land appropriately zoned. This provision applies where the designation boundary is found to be in error and the proposed use is minor and it is determined by the City that an amendment to the Plan is not required.
- 31.3.3.6.5. Where detailed flood plain or wetland mapping exists or becomes available, the boundaries of the Environmental Protection designation may be interpreted as corresponding to the limits of the flood plain or wetland.
- 31.3.3.6.6. Where regulations are in effect, no placing or removal of fill of any kind, whether originating on the site or elsewhere shall be permitted within this designation unless such is approved by the City, Kawartha Conservation or Ministry of Natural Resources and Forestry.
- 31.3.3.6.7. Where land within this designation is under private ownership, it shall not be construed that this land shall be free and open to the public, nor that it shall be acquired by the City or any other public agency.
- 31.3.3.6.8. Lands designated Environmental Protection shall generally not be accepted as parkland as part of a plan of subdivision. If the City, does accept Environmental Protection lands as part or all of the parkland dedication in a subdivision, the lands shall be conveyed in a physical condition satisfactory to the municipality. When an open watercourse is part of an area to be dedicated, sufficient land adjacent to the watercourse should be provided for maintenance and operations.
- 31.3.3.6.9. An existing non-conforming building or structure located in a flood plain may be enlarged, expanded or altered subject to:

- a) the determination that there will not be an unacceptable off-site impact due to the displacement of the flood water,
- b) the enlargement to the building is appropriately flood proofed;
- c) New or existing hazards are not created or aggravated;
- d) Kawartha Conservation has been satisfied;
- e) The development is not a threat to public health and safety or property;
- f) Vehicles and people must have a way of safely entering and exiting the area during floods; and
- g) Satisfactory water supply and subsurface sewage disposal servicing.
- 31.3.3.6.10. In determining the extent of flooding, the landowner may be required to have a qualified professional determine the flood level and appropriate flood-proofing measures that would be required. The City will consult with Kawartha Conservation, before allowing the expansion or enlargement.

31.3.3.7. Future Development Area

- 31.3.3.7.1. Lands shown as Future Development Area on Schedule "F-2" are intended for future development purposes beyond the planning horizon of this Plan. They will be given first consideration for redesignation to a variety of urban land uses to be developed on full municipal services if warranted through a comprehensive review of the Official Plan and Master Plans in accordance with Section 2.2.8 of the Growth Plan. Until such time, the lands shall continue to be subject to the policies contained in Section 16 of the Official Plan and subject to the following list of permitted uses:
 - a) Limited, low density single detached dwellings on existing lots
 - b) active and passive recreation uses and facilities
 - c) agricultural uses without buildings
 - d) farm markets
 - e) public and private infrastructure
 - f) public parks
 - g) utilities
 - h) nurseries
 - i) greenhouses
 - j) forestry management

31.3.3.8. Aggregate

31.3.3.8.1. Lands shown as Aggregate on Schedule "F-2" represent an existing licensed Class B aggregate operation. Development in these lands shall be guided by the relevant policies in Section 23.3 of this Plan.

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Maps/Schedules

Schedule F-2 - Bobcaygeon Land Use



Schedule G-2 - Bobcaygeon Environmental Constraints



Schedule H-2 - Bobcaygeon Transportation



